

MII Playback

Monthly Newsletter March 1995 Volume 5, Number 3

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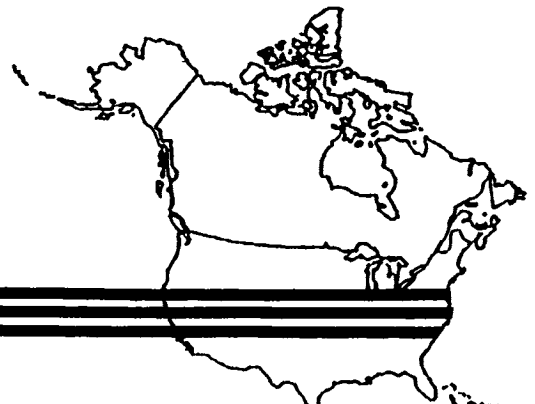
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MII

Users Association of America



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If your company is interested in becoming a corporate sponsor of the MII Users Association for the low annual donation of \$250.00, call User Headquarters for details. Benefits include a prominent company listing with your logo on the inside front cover of each newsletter, a complimentary subscription to the newsletter, a certificate indicating your good standing with the association, and patronage from association members.

MII Playback is a monthly newsletter published by the MII Users Association for the benefit of the members.

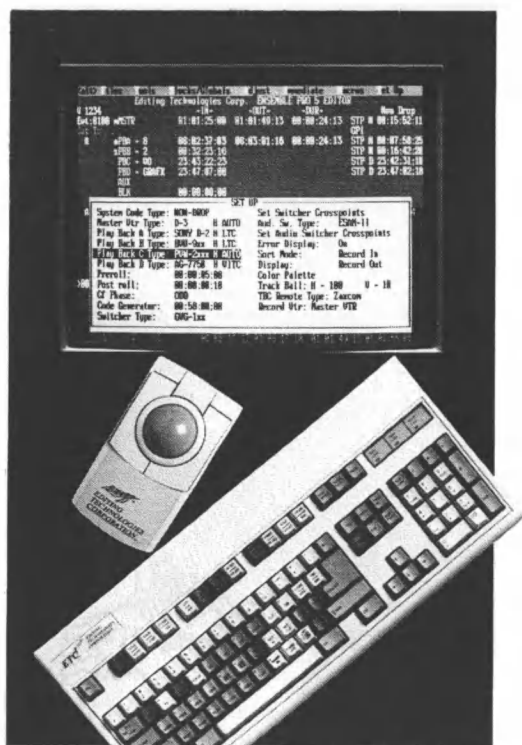
Executive Director David R. Gardy

Publications Editor Jonathan Trenn

The opinions expressed in this publication are those of the individuals quoted and do not necessarily reflect the position of Panasonic, the MII Users Association, or its members. Neither Panasonic nor the association assumes responsibility for the statements made herein nor for the alteration of any technical equipment. It is advised that you consult an authorized Panasonic dealer before attempting to repair equipment on your own.

The MII Users Association can be contacted at:
MII Users Association
c/o Gardy McGrath International, Inc.
1950 Roland Clarke Place
Suite 100
Reston, VA 22091

800-966-1030 • (703) 620-6000
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The NAB'95 Users Meeting in Vegas...an Important Time to Speak Your Mind About Our Future...

.....Even if You Can't Attend, We Value Your Input. This Issue's Questionnaire is One
Way to Insure your Voice is Heard.....

EXECUTIVE COMMENTARY

March 1995

O

nce again, the games are upon us. Its NAB '95.

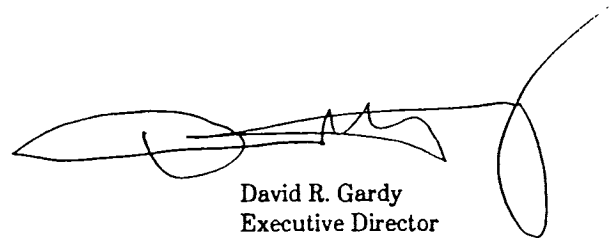
And, as in past years, the MII Users Association of America will be actively involved with a presence on the floor (booth no. 11847) and our annual users meeting and reception on Tuesday, April 11 at the Riviera Hotel from 2-6PM. This is always a truly enjoyable event, as fellow MII Users get together and share information, war stories and opinions. Panasonic representatives speak on various subjects and then open the floor to receive feedback.

This year your participation is especially important. The questionnaire we've provided in this issue can be used to forward points you want to make at the meeting, which we'll be happy to bring up for discussion. If you're in Vegas, we sincerely hope you will be in attendance at our meeting, especially this year, when many issues regarding the future of MII and the association will be discussed. If you cant attend and wish to contact us at the booth, call user headquarters at 1-800- 966-1030 for the booth phone information which will be available after April 7. If you wish us to represent you on the floor with Panasonic or another vendor concerning an interface with MII equipment, we'd be happy to relay the information. As always, we're here to serve.

Users should know that this year, Panasonic has received

more requests for MII loaner equipment from exhibitors on the floor than in any other year in MII history. The demand is being driven by non-linear system and software based manufacturers such as Video Media, Matrox, and a new entrant, "Play,Inc.", made up of former Newtek people. It is a positive sign to see so many of the new manufacturers choosing MII for their tape source needs at the show, where signal quality at the monitor is a priority.

We'll be reporting on all events in the next issue, from the Panasonic press conference to the latest product offerings. Thanks for your continued input and support. See you at NAB '95.



David R. Gardy
Executive Director
MII Users Association of America

The Association needs your 1994-1995 membership dues!!!!

This form and a \$25.00 fee are required to continue membership in the association and receive this monthly newsletter. Please don't hesitate. (Thanks to the many who have already sent in their membership fees!) We have tried to make this form as simple as possible. Please take the time to fill it out now. We would appreciate it if you would take a few extra minutes to provide the information in the "optional" section so that we may better serve the association. This form and your \$25.00 dues must be returned *immediately*. **Make checks payable to the MII Users Association of America. Return to: MII Users Association of America, c/o Gardy-McGrath (Int'l), Inc., 1950 Roland Clarke Place, Reston, VA 22091. Phone (703) 620-6000, fax (703) 620-0451.**

Membership Registration Form

Date: _____ Renewal: _____ New Member: _____

Contact Name: _____

Company Name: _____

Mailing Address: _____

Phone Number: _____ Fax Number: _____

Type of Business/Services: _____

Optional:

How did you hear about the association? _____

Check all that apply: Duplication facility (List additional formats below) _____ MII Rental Facility _____

MIU User _____ MII Owner _____ MII Dealer _____ MII Repair Center _____ Other _____

If you own MII, how long have you had it? _____

What model numbers? _____

If you do not own MII, are you planning to get it? _____

Additional Comments/Equipment: _____

Check number: _____ Name on Check: _____ Date: _____

Check or Credit Card (VISA or MC only) Number: _____

Expiration Date: _____ Authorized Signature: _____

Dues cover the period from Sept. 1, 1994 through Sept. 1, 1995. Below is for office use only.

Received: _____ Membership List: _____ Mailing List: _____



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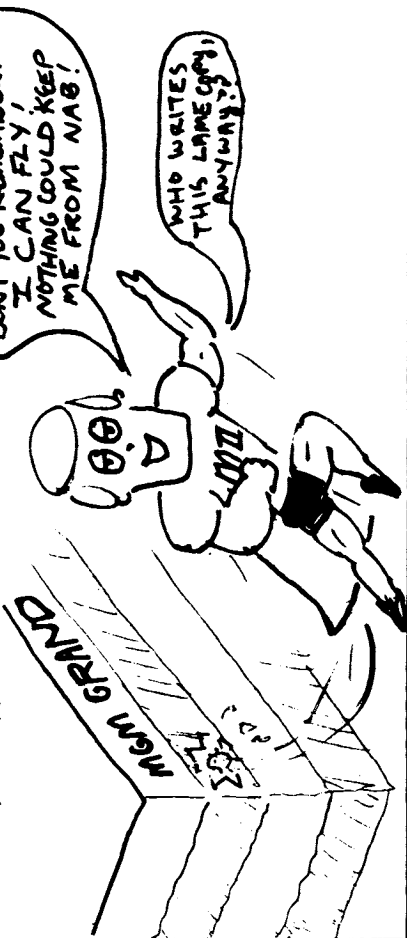
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- * **Special discount available for all MII user members. Dial extension #3 for details.**

MI MAN

WHEN WE LEFT OUR STORY, MI MAN WAS IN THE CLUTCHES OF THE SEDUCTIVE BETABABE. COULD OUR HERO ESCAPE FROM THAT VEGAS HOTEL ROOM, FOILING S-CORP'S PLAN TO KEEP HIM OFF THE NAB FLOOR?

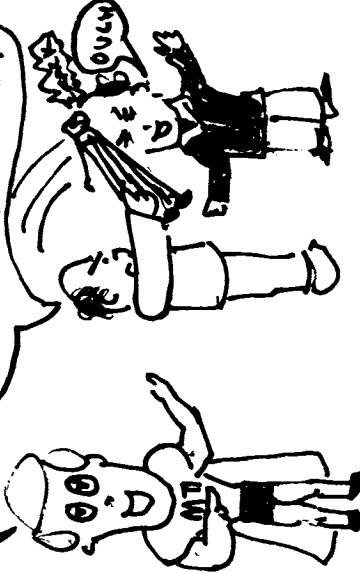


OF COURSE, I COULD. DON'T YOU REMEMBER? I CAN FLY, NOTHING COULD KEEP ME FROM NAB!

WHO WRITES THIS LAME COPY, ANYWAY??

NAB IS WHERE EQUIPMENT USERS MEET WITH EQUIPMENT VENDORS TO DISCUSS THE ISSUES OF THE DAY!

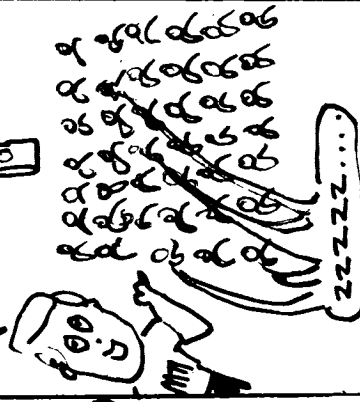
THIS DAMN TRIPOD KEEPS BREAKING AND YOUR REPLACEMENT PARTS COST A FORTUNE!



"M" TRIPODS

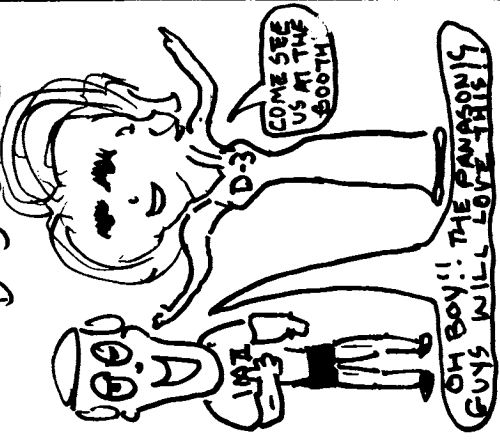
CAPTAINS OF INDUSTRY PREDICT THE FUTURE FOR ENTHUSIASTIC CONVENTION ATTENDEES

HDTV WILL BE HERE ANYDAY NOW!!



ZZZZZ...

OUR HERO'S GUIDED TOUR IS SUDDENLY INTERRUPTED BY THE APPEARANCE OF BETA-BABE... EXCEPT SHE WAS BETA-BABE NO LONGER. SHE HAD LEFT S-CORP AND SET OUT FOR A NEW LIFE... AS "D-3 DAME"



COME SEE US AT THE BOOTH

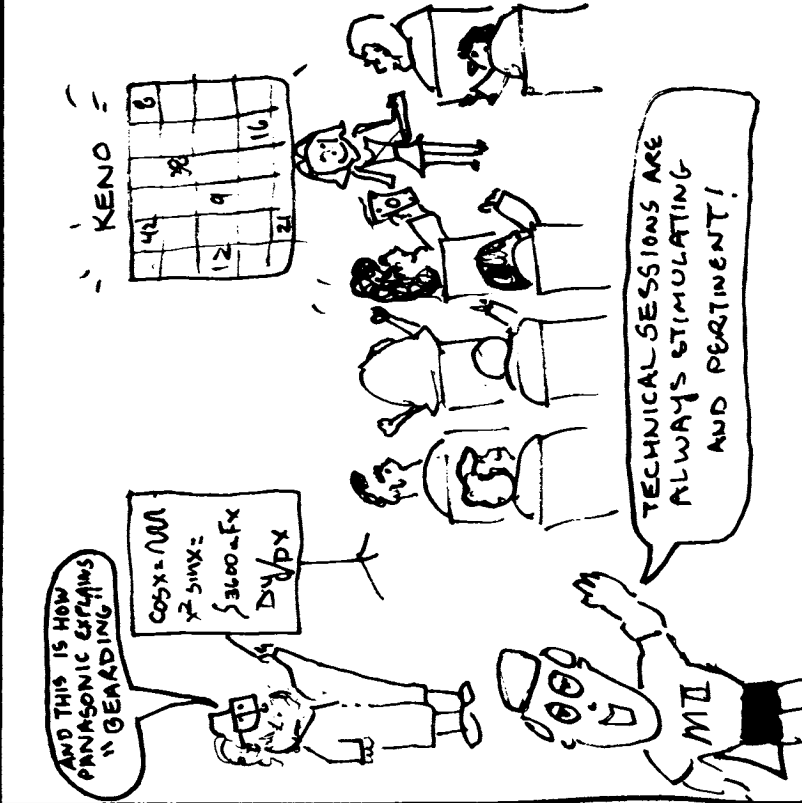
OH BOY!! THE PANASONIC GUYS WILL LOVE THIS!!



MI USERS ASSOCIATION OF AMERICA

(BOOTH NO. 11847)

OF COURSE, THE MOST POPULAR BOOTH AT THE SHOW... I'LL BE THERE TO WELCOME ALL OF YOU TO NAB '95



AND THIS IS HOW PANASONIC EXPLAINS "GEARDING"

$\cos x = \cos x$
 $x^2 \sin x = \int 3600 - f(x) dx$

TECHNICAL SESSIONS ARE ALWAYS STIMULATING AND PERTINENT!

The MII Users Association is Exhibiting at NAB!

Meet MII Man at Booth #11847

For the fourth consecutive year, the MII Users Association of America will be represented at the National Association of Broadcasters Convention in Las Vegas. The dates of this year's show are 10-13 April. MII Users should come to **booth #11847 (located in S-2, near the Toshiba exhibit)** to meet Dave Gardy and Jonathan Trenn from association headquarters.

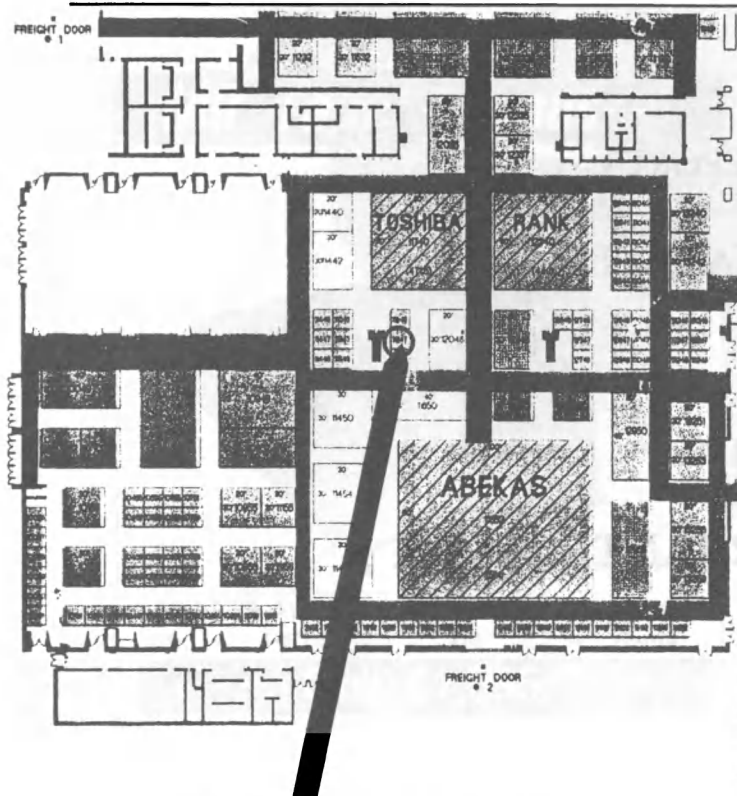
The Association is holding an *MII Users Meeting on Tuesday, 11 April in the Riviera Hotel. The meeting will be held from 2:00 to 4:00 in Room C, followed by a reception from 4:00 to 6:00 in Room C.* This is a great chance to meet fellow MII Users nationwide, to voice your ideas, opinions, and questions about the MII format or the association, and to meet Panasonic representatives. If there are specific questions/concerns that you would like to have

addressed at the meeting, please fill out the MII Users Meeting Questionnaire on page 12 of this newsletter. Your voice will be heard even if you are unable to attend.

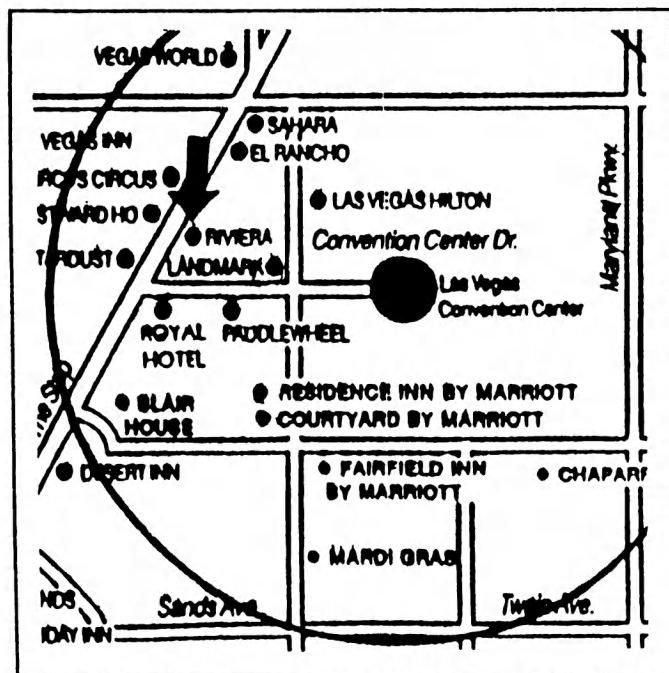
If you will not be present at the convention of the meeting but would like to direct questions to the association or simply give support to the association during the show you can call us during the show, you can call us during the at the MII booth. Our phone number is (702) 774-1845. If for some reason you need to get in touch with the association outside of convention hours, association headquarters representatives are staying at the Riviera Hotel.

Pre-NAB questions or comments? Call Jonathan Trenn at association headquarters at (703) 620-6000 or 1 (800) 966-1030.

2:00-2:15.....	Opening Remarks.....	David Gardy
2:15-2:30	Panasonic	Panasonic
2:30-2:45.....	MII Product Manager.....	Rick Albert
2:45-3:00.....	MII Renew.....	Alan Lloyd
3:00-3:15.....	The Dealer Perspective.....	Paul Farren
3:15-3:30.....	First User.....	Jerry Beck
3:30-3:45.....	MII and Digital Systems.....	Mark Kregel
3:45-4:00.....	Closing Remarks.....	David Gardy



MII Users Booth #11847





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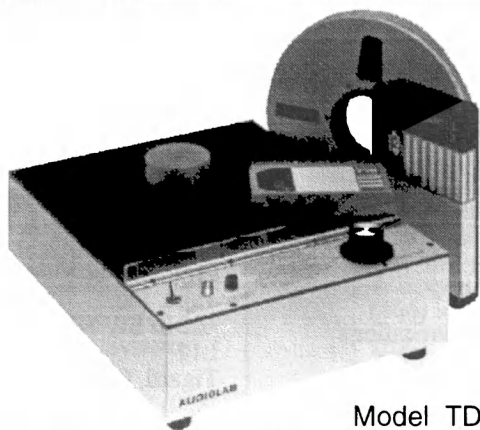
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Owego, NY 13827
(607) 687-0545

Alleghney Electronics, Inc.
800 Chestnut Ave.
Altoona, PA 16601
(814) 946-0871

Colortone Camera, Inc.
76 S. Central Ave., Rte. 9A
Eimsford, NY 10523
(914) 592-4151

Communications Televideo
9301 Georgia Ave.
Silver Spring, MD 20910
(301) 585-6311

Crimson Camera Tech Sales
325 Vassar St.
Cambridge, MA 02139
(617) 868-5150

DSI Video Systems, Inc.
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(908) 245-4833

Eastern Video Systems, Inc.
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Billerica, MA 01862
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High Fidelity House, Inc.
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Broomall, PA 19008
(215) 544-4420

Levin Professional Services, Inc.
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Wheaton, MD 20002
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Quail Video Productions
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(412) 243-1300

Seneca Communications Inc.
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Dunbar, WV 25064
(304) 766-8740

Specialized Communications
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Hagerstown, MD 21740
(301) 790-0103

Tri-State Video Services, Inc.
1379 Pittsburgh Rd.
Valencia, PA 16059
(412) 878-1630

Videoplay Industries, Inc.
RT30 Tolland Ind. Park
Tolland, CT 06084
(203) 872-9195

Midwest

Alpha Video & Audio, Inc.
7711 Computer Ave
Edina, MN 55435
(612) 896-9898

Avonix Video Ayatems, Inc.
3495 N 124th St.
Brookfield, WI 53005
(414) 783-6050

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(216) 277-1218

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(619) 565-1101

Davis Audio Visual, Inc.
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Denver, CO 80204
(303) 455-1122

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Glendale, CA 91201
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Industrial Broadcast Services
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Tulsa, OK 74146
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Citrus Heights, CA 95610
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(505) 523-7788

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10240 SW Nimbus, Suite L11
Tigard, OR 97223
(800) 833-4801

Studio Spectrum, Inc.
1056 N. Lake St.
Burbank, CA 91502
(808) 843-1610

Troxwell Communications
4030 South 38th St.
Phoenix, AZ 85040
(602) 437-7240

Tulsa Electronic Systems, Inc.
4727A So. Memorial
Tulsa, OK 74145
1-800-322-9220

TV Specialists, Inc./Video
180 East 2100 South, Suite 104
Salt Lake City, UT 84115
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Houston, TX 77018
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Custom Supply, Inc.
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Delta Electronics
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Jackson, MS 39204
(601) 969-2929

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(800) 422-9323
(305) 537-9323

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Miami, FL 33168
(305) 688-6618

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Kenner, LA 70062
(504) 466-4454

Gendra Broadcasting Corp.
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Miami, FL 33137
(305) 372-8845

H. B. Centennial
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Miami, FL 33142
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Atlanta, GA 30324
(404) 325-7676

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Miami, FL 33172
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(704) 332-9053

Have you returned your membership registration form and \$25.00 dues?

If you have not, please do so immediately!!! *Make checks payable to the MII Users Association of America.* Return form (found on page 2 of this newsletter) and payment to:

MII Users Association of America
c/o Gardy-McGrath (Int'l), Inc.
1950 Roland Clarke Place, Suite 100
Reston, VA 20091
(703) 620-6000 or 1-800-966-1030
Fax: (703) 620-0451 □

MII Job Shop

Position Wanted

Sales representative for an A/V Equipment Manufacturer. Thirteen years experience as an Audio/visual Specialist with a large corporation

Experienced On-line MII Editor, preferably PALTEX and IMPACT DVE expertise, must be willing to relocate to the Washington, DC area, salary commensurate with experience. Ref. #9202A

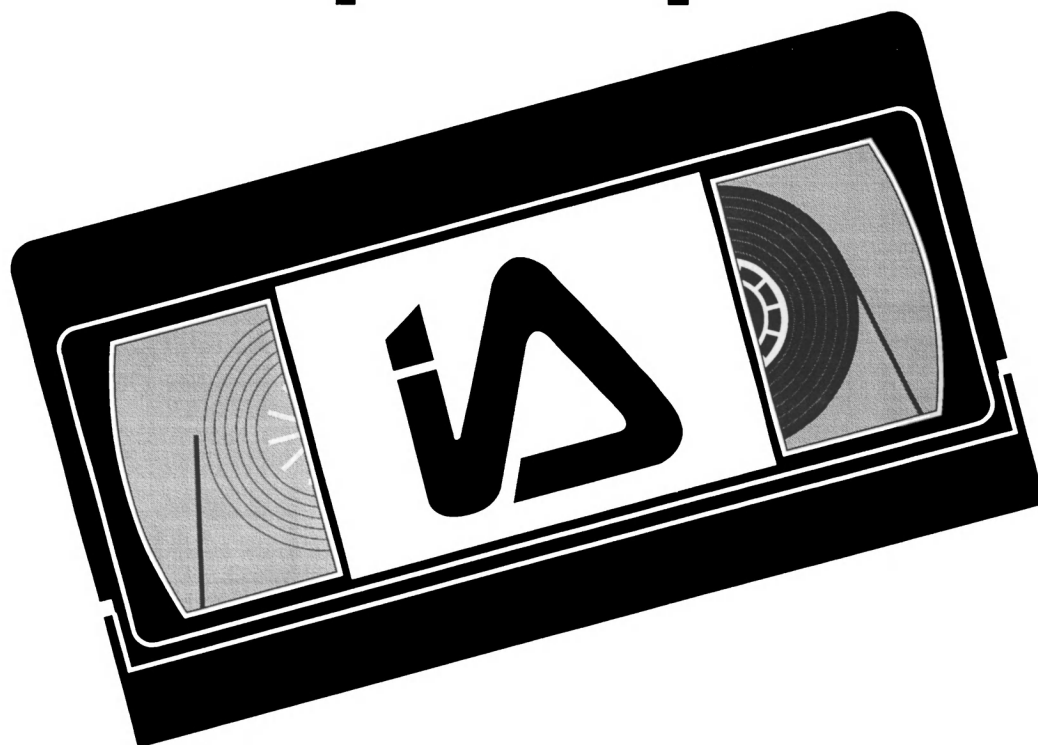
Experienced Amiga Graphic Artist, 2-D and 3-D capability, familiarity with MII desired, must be willing to relocate to the Washington, DC area, salary commensurate with experience. Ref. #9202B

Send resumes and sample tapes to the Association. Please state which position you are interested in.

Technician, Experienced and entry level positions available. AA in Electronics required. Work on Broadcast MII video tape machines and camera. Some transmitter work. Drug screen required. WHAG-TV is a small market NBC affiliate. We offer a comprehensive benefit package, including 401K and section 125 plans. Send resume and salary requirements to personnel, WHAG-TV, Dept. M, 13 East Washington Street, Hagerstown, MD 21740. No phone calls. EOE.

All responses will be kept in strictest confidence. □

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Hi 8		Hi 8
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MII Duplication Facilities

If you are a duplicator and you are an MII User, the Association needs to know about it.
Currently our list includes:

Action Duplication
Conshocken, PA 1(800) VHS-DUBS
Action Video Productions
Greenville, SC
(803) 297-8865

Alpha Video & Audio, Inc.
Edina, MN (612) 896-9898

American Production Services
Seattle, WA (206) 282-1776

Advanced Audio Video Denver, CO
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South Plainfield, NJ
(908) 756-0643

Bennu Productions New York, NY
(212) 213-8511, Wayne Keeley

Broadcast Video Products
480 Main St Armonk, NY
(914) 273-6649, Jack Miller

Cassette Dub Inc. Northvale, NJ
(201) 767-7077

CenterCom, Inc.
Milwaukee, WI (414) 353-2001
Lincolnwood, IL (708) 675-1411
Tampa, FL (813) 886-8266

Commercial Video
101 Winston St.,
Cumberland, MD 21502
(301) 724-2799, ask for Greg.

Commonwealth Films
Richmond, VA (804) 649-8611

Copymaster Video Villa Park, IL
(708) 279-1276

Cinequipt St Paul, MN
(612) 646-1780

Creative Visual 10135 J St.,
Omaha, NE 68127
800-547-4184, ask for Larry.

Curtis Inc. Charlotte, NC
800-733-2878

Curtis Inc. Cincinatti, OH 45202
800-733-2878

ECI Dallas, TX
800-880-9400

Elite Video Production
Brooklyn, NY (718) 627-0499

Global Vision Reisterstown, MD
(301) 356-6715

Group Video Productions
Sacramento, CA
1-800-748-4982

HAVE, Inc. Hudson, NY
(518) 828-2000

Industrial Audio Video
Houston, TX
(713) 535-2375

Industrial Communications
Birmingham, AL
(205) 942-0132

International Video Center
2528 Edgemoor Rd
Cleveland Heights, OH 44106
(216) 321-1440

Juntunen Video Minneapolis, MN
(612) 341-3348, Mike Vinup

MagneTech Ft. Lauderdale, FL
800-683-DUPE

Majestic Video Burbank, CA
(818) 843-1806, Cliff Sawyer

Master Images Video Duplication, Inc. Wheeling, IL
(708) 541-4440

Media Concepts St. Petersburg, FL
(813) 321-2122, 800-330-3873

Multi-Magnetics Denver, CO
(303) 825-7768

Network Video Services
Alexandria, VA
800-289-DUBS (3827)

Park Avenue Productions
Richmond, VA
(804) 346-3232

Preston Trucking Preston, MD
(410) 673-2930

Pro Line Video Austin, TX
(512) 837-2000 x30

Quinn Productions
Winston-Salem, NC
(919) 768-2746

Sign Media, Inc. Burtonsville, MD
(301) 421-0268

Shooby-Dooby Duping Orange, CA
(714) 744-4041, Terrence West

Televent Video Services
Oak Park, IL
(708) 383-5588

USF&G Corporation
Baltimore, MD
(410) 578-2916, Steve Kuhn

Vaughn Communications:
Minneapolis, MN 800-323-0281
Creve Coeur, MO (314) 576-6804
Phoenix, AZ 800-228-7609
Milwaukee, WI (414) 276-6511
Tampa, FL 800-252-7564
New York, NY (212) 447-1038
Portland, OR 800-772-2251
Atlanta, GA 800-966-0859
Irvine, CA 800-228-7609

Video Duplication Atlanta, GA 800-235-9732

Video Duplication Services Columbus, OH 800-289-4301
Dayton, OH (513) 294-5883
Cleveland, OH (216) 741-3827
Youngstown, OH (216) 792-3827
Detroit (Troy), MI (810)680-9100

Video Management Systems
Indianapolis, IN
((317) 639-6163

Video on Location
Rockville, MD
(301) 984-5823

Videoland Lacey, WA
(206) 491-1332

Video Now 610 S. Central Ave.
Kent, WA
(206) 852-1186

VideoPlay Industries Rockville, CT
(203) 875-5211

Video Proofs Rohnert Park, CA
(707) 586-0383

Video Replay Chicago, IL
(312) 467-0425

Video Techniques, Inc., Bradenton, FL
(813) 746-4949

Video Transfer Rockville, MD (301)
881-0270

Vidicomp Distributors
Houston, TX
(713) 694-6400

VIP Duplication 2908 Cameron St.,
Suite-B, Monroe, LA 71201
(318) 322-8222, Phillip Nelson

VU Video Denver, CO
800-637-4336, Eric Wheeler
Wilderness Productions
S. Lake Tahoe, CA
800-874-7488, in CA (916) 577-3008

WGVU/WGVK-TV
Grand Rapids, MI
(616) 771-6666, TDD 800-748-0488

WPSD-TV Paducah, KY
(502) 442-8214, Bob Fesmire

Your Video Productions
Costa Mesa, CA
(714) 645-9687

Canadian Duplicators:

Agincourt Productions
Richmond Hill, Ontario
(416) 886-8273

Inter-cite Video Montreal, Quebec
(514) 342-4545

Lynx Video Production Toronto, ON
(416) 516-0270, Jim Blake

Marine Video 1955 Wylie St.
Vancouver, B.C. V5Y 3N7

If your company isn't listed here, please call 1-800-966-1030. □

NAB 1995 MII Users Meeting Questionnaire Form

The MII Users Association NAB Meeting will be held on Tuesday, 11 April at the Riviera Hotel and Casino from 2:00 - 4:00. The hotel is located at 2901 Las Vegas Boulevard South.

This form may be used even if you plan to attend the meeting. However, if you know that you are unable to attend and would to address questions to the Panasonic panel (service, marketing, leasing, etc.), please fax this form to the association no later than Friday, 31 March 1995. If you are planning to attend the meeting, you may drop it off at the MII Users Association booth (#11847) anytime on Monday or Tuesday before 2:00 pm. The booth phone number is (702) 777-1845. We'll make sure that all submitted questions are addressed during the meeting.

Please specify the area(s) to which you are addressing your questions.

Please ask the following questions for me:

(1) _____

(2) _____

(3) _____

Please return to: MII Users Association of America
c/o Gardy McGrath International, Inc.
1950 Roland Clark Place, Suite 100
Reston, VA 22091
Phone (800) 966-1030 or (703) 620-6000
Fax (703) 620-0451

Or bring to booth 11847!

Optional:

Name: _____

Company: _____

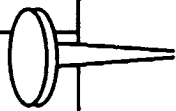
Phone: _____



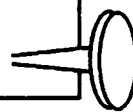
With **MII RENEW**, Panasonic will put MII back together again!

The Panasonic Broadcast RLEX Service Support Program offers MII users a new option to maximize product life—"MII RENEW". A high-level refurbishing of all MII studio machines, MII RENEW is performed by factory trained specialized MII technicians.

- ♦ Complete initial inspection of machine for condition and function.
- ♦ Disassembly and cleaning of transport and circuit boards.
- ♦ Replacement of over 32 key items, including: drum & brush assy, a/c stack, erase head, brakes, aolenoids, pinch assy, tension arms, post rollers & bearings, belts, springs, springs, hour meter, and carriage assy.
- ♦ All mechanical, electrical, and audio alignments set to factory specifications.
- ♦ 53 step intensive quality control procedure.
- ♦ Documentation of : all parts replaced, alignments performed, QC print out of video and audio levels, and envelope verification, is returned with each unit.
- ♦ Repainted cabinet panels.
- ♦ All Renewed units carry a 90 day parts and labor warranty (heads 30 days or 500 hours).
- ♦ Extended 15 month warranty available at reduced price if purchased at time of **RENEW**.
- ♦ Scheduling to fit your planned down time. A limited number of link machines are available at reduced cost.



MI I Trading Post



Please contact us when the equipment is sold!!!

Equipment Wanted

Wanted: AU-TB50, AU-66 Studio Deck. Cash. Call Kevin at (310) 281-7599.

Wanted: Used MII Tapes. Any length. Contact Jamie Dotson. (800)842-4273. 1/95

Wanted: Panasonic MII Camcorder Model WV-F 500 and AU 45 Back-Send cash price and condition. Bob Benson Video Film. (508) 432-1200. 1/95

Wanted: Panasonic AU-550 Field MII editing VCRs. Any condition.

Spare Parts Inventory for AU-550, especially printed circuit boards. Contact Jonathan Meyers at (612) 642 4637. 12/94

Wanted: PC video card that will render *.TGA files at NTSC 720 x 486 resolution or greater. Needs Component or RGB outputs. Call Gary Dansie, Options Inc. (801) 467-7421 11/94.

Wanted: Amiga 2000/2500. Need CPU, will consider some extras-cheap. Also want rear-screen fabric or panel, 4'x6' or larger; Panasonic interfaces for IVEs II. Contact Steve Braker at (608) 251-8855.

Wanted: MII player and Sony 5850 recorder. Call Peter at (818) 888-8673.

Wanted: Alamar 1055 and SC 2000's, used or new, Call John Bishop (704) 398-0046.

Wanted: Amiga Computers & related hardware, as well as used working prosumet video equipment. Copperhead Technologies, (518) 346-3894.

Equipment for Sale

Panasonic MII NAB '95 demo Sale: AU-W35H studio editors, AU-WW@H edit source players, AU-45H dockable VCR's SCALL, Used Panasonic Broadcast AU-550 field production editor with Slo. Mo. and AU-400 dockable VCRs. SCALL. Desktop Digital Video turnkey computer systems featuring: FAST Video Machine non-linear and linear, Pinnacle Alladin, TAO Editizer A/B controller, DPS PAR, 3D Studio, Topas Prof., Flying Fonts, TrueSpace, & LightWave 3D Animation software. Sanyo GVR-955 S-VHS VCR and Edit_pro V.M. Lite Package. DSC/Chyron Illusion 3D DVE loaded \$3995. Panasonic demo. AG-7750 w/TC board S-VHS editing VCR. \$4295 Wiegand Audio Video Laba. (614) 967-0059. Fax (614) 967-4453.

AUW-32 MII Player, AU-33H MII Player w/ Dynamic Tracking, AUW-35H MII Editor. All units 'like new' from NAB Las Vegas Show. Also, AU-45H MII Dockable Recorders all at BIG SAVINGS!!! Call Jim or Don at (412) 898-1630.

Panasonic AU-410s recorder docked to Panasonic 300CLE camera, without lens, excellent condition \$6400. Call Don at (613)

821-7783.

JVC KRM 800 Editing VCR. Excellent, 400 Hour Use. New upper head with zero hours. Used as backup. No longer needed. \$3500. Bob Benson Video Film (508) 432-1200. (508) 430-1184. 3/95

Videotek Prodigy Switcher 10 input, chroma, luminance 7 DSK, & G-MEN; Magni Vectorscope" V553; Teldtronics "Waveform" 528; Tektronics "Waveform" 1480R; RM-p3 Remote CCU for Sony Camera; 2 JVC TM-R14u Video Monitor 14"with underscan, blue, B minus color, A/B, RGB; 2 Panasonic WV 5350 B/W Monitors in Dual Mount Tray; O'Connor Model 30B tripod hd; ALR Computer 386/4MG RAM/300HD; NEC Multisync 2A Color Computer Monitor; (2) Spool of RG/SQU Coax (1000 ft. ea.); Custom Console 5 Bay with area; (2) Electro Voice Sentry 100A Studio Monitors w/wall brackets; Leader 5860 C Waveform Monitor (NTSC); Leader 5860 C Vectorscope (NTSC); AVL Data Booster Isolator (4); AVL Power Control; Barco RGB Distribution Amp with Sync; Ace Component Converter ASC200/732-732-731 Cards; Videotek VSC-21 Signal Generator; Chyron ACG 4mg/20HD

1 Abekas A-53D Single Ch., \$21,000. 1 Alta Pyxis E (Dual TBC w/FX /Full Frame) \$1500. 2 Audio Digital Add-2 Digital Processor \$300.00 ea. 5 BTS LDK-91 w/Fuji 18X w/2X VGC \$25,000 ea. 3 C.E.L. P147-20 Frame/Store Synchronizer w/P-151 Control Panel (Doc/Joystick Position/FX) \$2,200 ea. (\$15,000 new). 1 Chyron 4200 EXB/MGM/Dual Chnl. Never used in truck/full studio. \$8500. 1 Hitachi VO-99 Port. Waveform Monitor \$600. 1 Hotronics AH-91 Dual TBC w/FX/Dual Out (Y/C Composite/Dual TBC), \$2000. 1 FOR-A FA-410 Full Frame TBC, \$1000. 1 FOR-A VPS-300 Like New, \$21,000. 1 Grass Valley 100 Switchers Loaded with all options + E-MEM Option, \$8500. 2 JVC KY-210 Studio 3-Tube Cameras, \$1900ea. 2 JVC RS-500U 19 Pin Out/Connect for KY- Series Cameras, \$1900 ea. 1 Laird 1500 Character Generator, \$1200. Contact Charles/Bill/Steve/Joe/Ed/Paul at ((813) 546-6407.

Edit System; JVC BRS6114 to JVC KMR800 (new heads) using JVC RM-88U as controller includes 2 cables) \$5750. Contact Bill Tucker (518)356-0334 3/95

Panasonic AU-63 Auto Tracking (slow motion) MII Video Player, \$4995.

Listec A-2201 Long Bed Teleprompter Script Table (1992 @ \$4150) inc. Panasonic WV-1410 Vidicon Camera, lamps and control cables. Was our primary unit before computer prompter. Now \$1000.00 Listec A-2210 Short Bed Teleprompter Script Table (1986 @ \$3175.00) inc. Ikegami Camera, cables. Now \$500.00. 2Ea. 12" B/W Prompter monitors (1986 @

\$2100.00) with power supplies and mirrors. Now \$100.00 Ea. No mounting hardware ofor counterweight comes with these items as we are using with current monitors. Will consider reasonable offer for total package. Any printer or typewriter can be set up to produce the narrow column script pages which are then taped end to end for the tractor feed. Contact Don Brown, CE or Jim Franklin at WPSD-TV. (502) 442-8214 or fax (502) 442-2096.

We're going linear! We're offering for sale one MII AU-65H editing recorder and one MII AU-63H auto-tracking player. Low hours on both machines. Both less than 2 years old. Includes all original boxes, packaging material and manuals. Asking \$7000 for AU-63H, \$8200 for AU-65H, both for \$14,500, or best offer. Contact Ann Jones at VenaVision Productions at (817) 322-9205.

AU-65H MII Studio Edit Recorder. Dealer demo with full warranty. \$8250. AU-63H MII Studio SLO-MO Edit Recorder. Dealer demo with full warranty. \$8250. Call (800) 451-1425.

KR-M820U Editing Recorder. Has TC Board Installed. \$3000. KR-M800U Electronic Editing Video Color Cassette Recorder. \$2500. Save \$500 by purchasing both - pay only \$5000. You pay shipping. All sales final, equipment purchased "as is". No warranty available or implied. Since we are a state run facility, all items must go out to bid before sale. Contact Jim Gaar at (816) 235-1096.

JVC KY-15 3 chip camera w/JVC BRS-410 dockable S-VHS deck, a/c adapter/charger. Hard case camera mount plate. \$2700. Back-up BRS-410, \$1200. Buyer pays all shipping. Contact Jody Heuring at (612) 935-0033.

4 Panasonic Au 300 B 'M' Format, 1 Convergence 195 Edit Controller. Contact Don Eckis at (509) 547-0547 2/95

Sony BVU 25 Beta Portable with AC. \$4000. Call Dave Andrews at (801) 272-3031. 1/95.

AU-63H MII Studio edit recorder. Dealer demo with warranty-\$8250. Call (800) 451-1425. 1/95

Panasonic AGA800 w/RS422 cables, \$3150. Panasonic AG7750 w/TC, \$4230. Panasonic AG 7650 w/TC \$3384. Hitachi Z One - B w/AG 7450A w/TC, \$11,365. For details, contact Bill at (503) 598-9142. 1/95

Ampex ADO 100, \$11,000. For info, call Neil Stewart at (713) 333-1523 or Fax (713) 335-7816. 1/95

Panasonic Supercam AGDP800XL with 14x Lens, Case, Tripod Plate, 2-Anton Batteries & Charger, \$7570. Panasonic AGDS840 Source VCP with Digital Slo-Motion. \$4360. Shure M267 Microphone Field Production Mixer, \$380. Mackie CR1604 16x2 Audio Mixer, \$725. Eld LC5200 Data Video Projector,

connects direct to computer, \$7550. Call Greg at (607) 687-0545. 1/95

MII Studio Recorder/Player, JVC KRM 800u, used at authorized repair shop, fully tested, brand new head, \$2950 or best offer. Call Tom Miller at (406) 222-6733. 1/95

AU-65 w/ AUF65 \$5,000, AU45H never used/full warranty \$3999 Call for details. Contact Brent (303) 598-9142 10/94

JVC, BR-S611U, S-VHS Recorder with rack mount hardware, 500 hours, like new, \$1795. Call Ron at (516) 285-7146 10/94

2-AJ-D350 Panasonic D-3 Recorder, \$33,000 ea 1-AJ-D320 Panasonic D-3 Camcorder \$25,000. Contact Juan C Carrillo (305) 592-2034 10/94

Panasonic AU-65's Edit Recorder, \$5000. Call Vin Sisson at (216) 527-2182 11/94

FORA CVM 400 6-input component switcher, 2yrs. old \$10,000. Sony VO 4900 3/4" field recorder \$750. Chris Turner (318) 325-1544 9/94

Must Sell! AU65H Editing VCR. Like new! New drum has only 150 hours of use. Low "power on" time. 1.5 yrs old. Full documentation and manuals included, \$7500 or B/O. contact Bruce Edwards (714) 583-7837. 9/94

TM-90U Color Monitor 2 channel w/ multi pin RGB input, \$200. Contact Dan Hall at Video Management Systems, (317) 841-1212 11/94

Panasonic PTB1010UF 120" Video Projector Sealed New in Box \$4,700 (\$9,350 Retail) Panasonic DM7010 Dockable WVF700 and AU410 only 10 hours demo \$10,800 (\$24,000 Retail). Panasonic BTM1310Y Monitor A/B split screen, RGB, pulse cross \$1,000 (\$2,000 retail). AU55H demo, \$9,400, AU65H demo, \$11,200. AU66H demo, \$14,000. All include Full New Warranty and Shipping! Oreg LaDue (607) 687-0545, 9am-6pm, E.S.T. 8/94

Hitachi Z31 Cameras (3) excellent cond. w/ complete ENG & studio kits \$5000 ea. **Hitachi SK70 Cameras (2) Good cond., B/O.** **Sony BVU 200 Editing System (3/4), very good condition, \$975.** **ISI 902 Switcher very good cond., B/O.** **Chyron VP1 character generator w/12 fonts, B/O.** **Arvin Echo Slo Mo, needs work, make offer.** **Panasonic WV2150 Cameras (2) w/ rear control lenses (studio cams), make offer.** Contact John Cahill (908) 269-0100 (NJ) 11/94

Various MIDI gear (Roland, Yamaha, others) for audio production. (sequencers, synths, sound modules, digital FX, etc.) Contact Pete Schaefer, (503) 267-7120. 8/94

Interformat IVES II A/B V2.4C controller, frame accurate, programmable A&V fades, GPI, capstan bump, EDL print & serial, sync & BB gen, LTC gen/read, w/ 3 parallel interfaces, excellent, \$1200 450/BO. **IVES II cuts system, \$900.** **A/B Box, \$450.** **Interfaces for above: 3JVC, 2 Sony, 1 Panasonic, \$95 each.** **Much Amiga stuff!** Contact Steve Braker at (608) 251-8855. 8/94

O'Conner 50 Fluid head on wooded legs w/ spreaders. Good cond., \$1,275. **All carry a 30**

day warranty. Ampex ADO-100 DVE, 3D Option & Upgraded software, \$16,000. **Graham Patten 1241 Linear Keyer, 6 level w/drop shadow, hard/soft keys matte gen., adjustable masks, ext. video GPI and more, \$4300, JVC KM-2000 Switcher, \$1500, Panasonic WJ-5500A Switcher, \$775, Matthey Video Delay Line, o to 320 NS, \$225, Panasonic 3/4" AB roll sys. w/ 3-AU-700's, AUA70 controller, AU-J10, good offline system w/manuals & spares, \$2,900. Much more, owner retiring. Call for full list. Contact Bob Pooler at (508) 263-7727 (Boxborough, MA) 8/94**

Panasonic AU-410S, AU-63, AU-65, all approx. 2000 hours, package deal, \$15,000. Call Don Atchison at (613) 821-7783 (Ottawa) 8/94

JVC KRM800U MII Editing VCR. Low hours, excellent condition. \$3,400/BO. Call Alan (610) 649-8482. 8/94

Alta Centaurus Dual Channel TBC Digital Effects/Stillstore System, \$7,500. DUBNER 5K Character Generator, \$3,500. Paltex Abner A/B Edit Controller, \$2,500. Contact Mark Johnson at Reel Video Productions, (814) 695-8054 (Hollidaysburg, PA) 8/94

JVC KY210B 3 Tube w/ Fujinon 16x1. Hard case, tripod plate in excellent cond. Was used as back-up Cam only. Rated over 700 lines, \$2,495. JVC CR4900U 3/4" Portable w/ portable case. Exc. cond., \$1,000 firm. Contact George at Video Proof, (707) 586-0383 (Rohnert Park, CA) 8/94

AU-63, AU-65, AUF-65, DM7010. Call Gerry Levine with B.O. at (508) 667-0009. 8/94

Panasonic S-VHS Professional Edit Package. AG7750 Edit Recorder w/ time code, AG7650 Source Player w/ time code, AGA770 128 Event edit controller, all interface cables. Demos w/ one year warranty! Only \$9750 (\$18,410 list). Call (607) 687-0545, 9am-6pm, E.S.T. (Owego, NY) 8/94

Newly manufactured Compuvideo waveform monitor/vectorscope, \$1429. One year warranty. Call VIZ Tech at (718) 714-9873 (Brooklyn, NY)

Used Amiga Video Toasters, Amiga 2000's, 3000's, & 4000's. Call Bill Tucker, Copperhead Technologies, at (518) 346-3894 ext. 300, (Schenectady, NY) 8/94

KRM 800 editor, under 100 hours on new heads, \$4,500 or best offer. Call Scott Green at (608) 274-9944. 8/94

3 Hitachi Studio Cameras, Model FP-40S, w/ CCU's, cables and ITE tripods. Complete pkg \$ 1500, nego. Call (804) 743-1171, ext. 238. 8/94

1 Grass Valley VPE-131 Production Editor \$8000, 1 AU-63 player, \$8500, 1 AU-62 player \$6000, 1 Ag-1950/AG-A95 VHS Editing Package \$1600, 2 Panasonic WV-F250 cameras w/ENG kits, docking adaptors, lenses & Au 410 docking recorders \$11,000 each, misc. Brand new MII Tapes: M90L \$46 ea., M60L \$30 ea., M30L \$20 ea., M10L \$10 ea., M20S \$15 ea. Call (307) 332-9714 10am to 7pm E.S.T. 8/94

JVC KR-M820U Edit/Recorder with TC,

\$3,000.000. Good condition, needs some "tweaking." Heads are good. Call Jim (816) 235-1096 (Kansas City, MO). HURRY! 8/94

JVC KRM 800U recorder/editor, excellent condition w/ new heads. Asking \$4,000.00. Contact Rick Carr (813) 522-3000 Clearwater, FL) 8/94

Facilities/Suites

MII A/B ROLL FULL COMPONENT EDIT SUITE, includes: (1) Panasonic AU-60 MII edit/recorders w/ TC, (1) JVC KR-M820U MII edit/recorder, (1) JVC CR-M850U 3/4 edit/recorder, Paltex Europa Edit Controller 7 status monitor, JVC KM 3000 Seg/switcher, Microtime Genesis Act1 DVE, (1) JVC KM-F250 TBC, Laird 1500 Character Generator, Lenco RGB-Composite Encoder, Panasonic BT M1310Y monitor, Sigma CSG-460 Sync Generator, Sigma SVC-213 Routing Switching, Winstead 5 bay rack mounts. Full Documentation included. \$39,000. *May consider pricing out.* All well maintained. Buyer pays all shipping. **S-VHS CUTS SYSTEM w/ A/B roll expandability, includes (2) Jvc BR-S810U edit/recorders, 2 13" system monitors, Paltex Abner parallel edit controller with TC, 9" B7W status monitor, all cables to allow for A/B roll capability. \$3,000. Buyer pays all shipping.** Contact Jody Heuring at (612) 935-0033.

A/B ROLL EDIT Suite, includes (2) Panasonic AU-65's Edit Recorders, (1) AU-63 also-mo player, (1) Panasonic AG-7750 SVHS Edit recorder, Alta Pegasus switcher, For-A 3000 3D DVE, Inscribe CG package w/ 486DX2-66 PC, Editing Technologies "CMX style" editor w/ serial control, Tascam 688 midi studio 8-track cassette, audio router and mixer, System wired Y/C, all cables furnished, system is working and producing programs daily. Asking \$39,000. Panasonic 300 CLE camera w/ full studio kit, \$3,500. Panasonic AU-400 MII dockable recorder w/ VT-10 docking adapter for 300CLE camera, \$3000. ITE-40 tripod, \$300. Call Vin Sisson at (216) 527-2182 11/94

We're going Digital!! **MII A/B Roll FULL COMPONENT Edit Suite, includes (1) Panasonic AU-60 MII edit/recorder, (1) JVC KR-M820U MII edit/recorder, (1) JVC KM-F250 TBC, (1) JVC KM 3000 Seg/switcher, Microtime Genesis Act 1 DVE, Laird 1500 Character Generator, Lenco RGB-Composite Color Encoder, Sigma CSG-460 Sync Generator, Sigma SVC-213 Routing Switcher, Monitors, Winstead 5 bay rack mount counsel, cables. Documentation included. System in full working order. \$45,000. **BONUS! Includes up to 20 hours of System Engineer set-up time if purchased in Mpls/St. Paul Metro Area before February '95. (additional Materials/cables extra).** **S-VHS CUTS SYSTEM w/ A/B roll expandability, includes (2) JVC BR-S810U edit/recorders, (2) 13" system monitors, Paltex Abner parallel edit controller with TC, 9" B&W status monitor, all cables to allow for A/B roll capability. \$3,000. Buyer pays all shipping. JVC KY-15 3 chip camera w/ JVC AU-410 dockable S-VHS deck, a/c adapter/charger, Hard case, camera mount plate. \$2,700. Back-up AU-****

410, \$1200. Buyer pays all shipping. Please contact Jodi at (612) 935-0033 (MN) for details. 11/94.

Tapes

3M New MII Videotapes- Length 10 min./Price \$22.25/Quantity 25; 20 min./\$25.75/30; 30 min./ \$29.69/34; 60 min./\$44.49/25 90 min./\$66.79/11. All sales final. All sales final, equipment purchased "as is". No warranty available or implied. Since we are a state run facility, all items must go out to bid before sale. Contact Jim Gaar at (816) 235-1096.

Used MII Tape, limited number of MII tapes, Large cassettes, 30's, 60's 90's and small 20's, Most with low passes, most with factory cases. Good for many purposes. Buyer pays the shipping charges. Contact Ed McKay or John Bishop at (704) 398-0046, or fax (704) 393-8407 (NC).

If you have equipment you would like included in the next Trading Post, please contact us in writing, either by fax or mail at MII Users Association of America, c/o GMG International Inc., 1950 Roland Clarke Place, Suite 100, Reston, VA 22091, fax (703) 620-0451, toll free 800-966-1030. *Please contact us when the equipment is sold.* □

Flex Service Support from Panasonic

*A Flexible Program which offers you choices to
balance your service needs*

**Call Panasonic MII Support at 1-800-742-6530 for more
information**

Association Membership

If you are not currently a member of the MII Users Association of America and are interested in joining. Please fax or mail us the following information: company name, contact persons name, mailing address, phone and fax numbers (if available), if you do or do not have MII and which machines (make & model) you have. We may be contacted at:

MII Users Association of America

c/o GMG International, Inc.

1950 Roland Clarke Pl., Suite 100

Reston, VA 22091

Or you may fax us at (703) 620-0451,

or call toll free at 800-966-1030. □

MII REPAIR

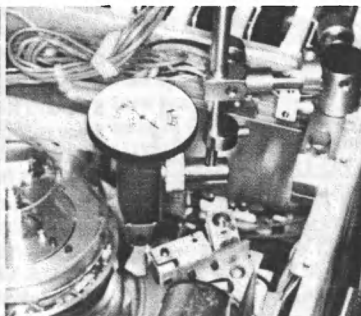
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- 3.0 - Field Cleaning the Portable Unit
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- 6.0 - Cleaning the Capstan
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- 8.0 - Cleaning the Fixed Posts
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- 10.0 - Cleaning the Earthing Assembly
- 11.0 - Final Disassembly and Cleaning
- 12.0 - Emergency Tape Unloading Procedures
- (+ Conclusion)

(III.) LESSON 3 APPLICATIONS AND OVERVIEW (Including basic troubleshooting)

Sections-

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- 2.0 - Stand Alone Single Machine Configuration
- 3.0 - Machine to Machine (cuts only applications)
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- 5.0 - MII Menu and Setting Instruction

(II.) LESSON 2 UPPER DRUM REPLACEMENT AND ELECTRICAL ALIGNMENT

Sections-

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- 2.0 - Mounting of Fixing Plate for Tip Protrusion Gauge
- 3.0 - Video Head Tip Protrusion for Measurement
- 4.0 - Removal of Upper Drum Assembly
- 5.0 - Upper Drum Re-assembly
- 6.0 - Eccentricity Gauge Adjustment
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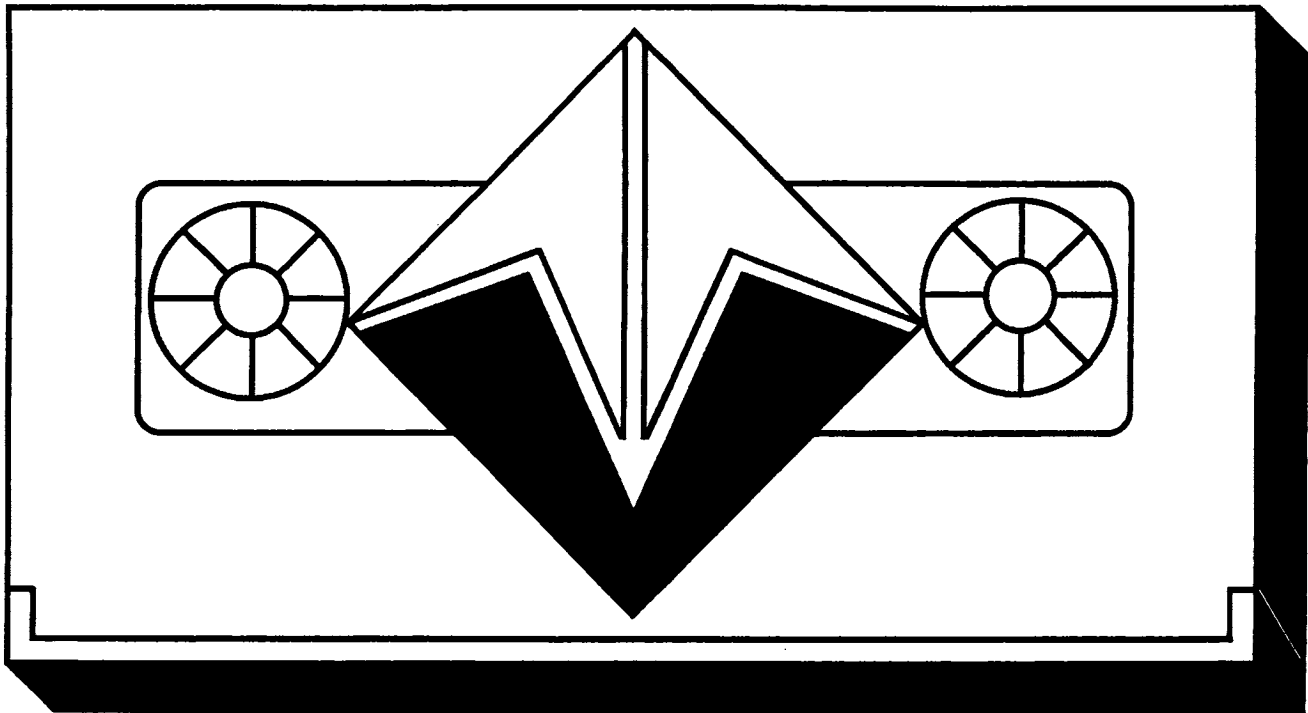


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PANASONIC ADDS RGB I/O TO ENHANCE MII SERIES VTRS

Secaucus, NJ (March 7, 1995) -- At NAB 1995, Panasonic Broadcast & Television Systems Company will announce the addition of RGB inputs and outputs to enhance its MII PoWer Series of videocassette recorders.

The cost-effective, full-featured product line is based on the MII PoWer Series (introduced last year), with the key addition of RGB input and output capability, which yields higher resolution when connected to a computer system. The MII "W" Series models, the AU-W35R Studio VTR, the AU-W33R Studio Player with Auto Tracking and AU-W32R Studio Player, meet today's needs in multimedia production, computer graphics and nonlinear editing. In design and performance, the VTRs reflect the traditional MII commitment to analog component recording.

The new MII "W" Series offers RGB input and output: the RGB mode is a standard in computer-based image processing. The component-system RGB format assures excellent picture quality in producing multimedia titles, inserting moving video pictures into presentations, producing videos using computer graphics, and nonlinear editing.

The AU-W35R MII studio VTR and AU-W32R MII studio player both feature high quality picture, 3 dimensional-type TBC with full field memory for excellent

dropout compensation, built-in time code generator and time code reader, and freeze picture function for noiseless still without Auto-Tracking. They also have 4-channel audio output, auto head cleaning mechanism, built-in TBC level control and tiltable control panel.

The AU-W33R MII studio player offers all of the features of its companion units plus an Auto-Tracking capability for full control of noiseless slow motion and still playback.

All of "W" Series products feature 32 times normal search speed, with picture, for ultra-fast searching. They have color framing control for optimum picture, for ultra-fast searching. They have color framing control for optimum picture quality in editing and production, front-panel tracking control volume for easy access to tracking adjustments, and 16:9 picture compatibility for smooth transition to wide aspect ratio television production. They also provide composite, component and Y/C inputs/outputs for easy interface to an array of production environments.

The AU-W35R MII studio VTR, the AU-W32R MII studio player, and the AU-W33R MII studio player with Auto-Tracking will be available in the third quarter.

PANASONIC REALIZES "TRUE POTENTIAL OF DIGITAL"
****DVCPRO: AFFORDABLE DIGITAL COMPONENT SYSTEM****

Secaucus, NJ (March 16, 1995) -- At NAB 1995, Panasonic Broadcast & Television Systems Company (PBTSC) will introduce DVCPRO, a revolutionary digital system based upon the fundamental philosophy that future video systems will be hybrid, i.e. combining disk and tape, and maximizing the virtues of each. The Panasonic DVCPRO system begins with affordable component digital acquisition with traditional recording and editing, and extends into non-linear editing, and video server-based release.

"Panasonic believes that DVCPRO represents the optimal trade-off between compression ratio, signal structure, and data rate to maximize quality and multi-generation performance and to minimize compression artifacts," said Steve Bonica, President, PBTSC.

DVCPRO fulfills the promise of digital by being component, affordable, rugged, networkable, compact, with removable media. DVCPRO is truly better, faster, and cheaper.

"Panasonic's vision of the future starts with acquisition. DVCPRO is a revolutionary solution to the need for cost-effective, high-quality digital acquisition," said Bonica. "But our story doesn't end with ENG. We will be offering end users different solutions to implement an all-digital facility."

By combining dramatic advances in technology with actual users' input, Panasonic has produced a compact format using 6.35mm cassettes comparable in size to compact audio cassettes and more durable than other small formats. DVCPRO media will cost less than today's component analog tapes.

Capitalizing on industry-wide research and development, the system records 4:1:1 component digital video to assure image quality and uses 5:1 intra-frame compression to prevent motion artifacts and support frame-accurate editing.

(continued on p. 21)

CNN Involved in Design Process

In the early development stage of the DVCPRO component digital ENG format, Matsushita (Panasonic) was privileged to have the cooperation and design assistance of key engineering personnel from Corporate Engineering, CNN Field Engineering, and CNN Field Operations of Turner Broadcasting Systems, Inc. Numerous development meetings were held in Atlanta and Osaka, Japan with the Matsushita design engineers and the Turner Broadcast in g Team headed by Gene Wright, Vice President of Engineering / The goal of both parties was to develop a new component digital ENG system that performed better than current systems, cost less, and was less expensive to operate. Turner Broadcasting System's Gene Wright stated, "It appears that all design goals have been met, and I am eager to evaluate the DVCPRO production in the field."

DVCPRO Camcorder Sets New Size, Weight, Power Standards

Panasonic will introduce a family of DVCPRO products at NAB, including camcorders, a field recorder, field edit package, studio recorder, digital video disc recorder, four-times high-speed player, office viewer and Smart-Cart automation system.

The products to be introduced at NAB include a digital camcorder that sets new performance levels for size, weight and power consumption, and a professional studio editing VTR. Featuring three 1/2inch (410,000 pixel) FIT CCDs, the ultra-compact DVCPRO camcorder records for one hour, weighs around 11 pounds and its power consumption is less than 20 watts. The DVCPRO editing VTR offers two hours of recording, frame accurate editing, jog/shuttle capability, two channels of audio, digital component serial SMPTE 259M 9optional) and RS-422A serial interface in a four rack-unit package.

The DVCPRO technology has also been applied in the LQ-D5500 digital optical video disc recorder, the world's first digital disc with direct overwriting. The LQ-D5500 records up to 45 minutes of digitally compressed video with two channels of audio, and offers a broad cast quality signal of more than 5 MHz of bandwidth and a signal-to-noise ratio of more 50 dB.

Never Before Possible: Laptop-Sized Field Edit Package

The increasing emphasis on news and the simultaneous push for greater speed and efficiency caused Panasonic to focus on ENG as the first application for DVCPRO. The extremely cost-effective media is remarkably compact, as is the transport mechanism. This compactness allows development of products like the laptop-sized Field Recorder with built-in LCD monitor that fits in the hand.

These, in conjunction with traditional camera recorders and studio editors, answer the wants of news crews the world over.

4X High-Speed Player in DVCPRO Lineup

To gain the speed efficiency needed in the news production process, the 4X Fast Transfer player is in the offing. This will allow faster than real-time downloading of field material into a non-linear system of a central video server.

Deliveries of camcorders and studio recorders will start in the fall of this year. The portable edit system, field recorder/viewer and other products will ship in 1996.

Hewlett-Packard, Storage Tek Support "Open Systems" Approach

Panasonic supports the concept of many vendor participation, each bringing their unique expertise and inventiveness to help satisfy the users' requirements. In this "open system" concept, Hewlett-Packard has joined with Panasonic as the provider of the centralized system video server. Certainly, the introduction of a server will promote both non-linear access and random access for release, and H-P brings tremendous knowledge and experience to Panasonic's total system. Panasonic is also working with Storage Technology to implement their "Nearline"™ operationally transparent archival data storage concept as an archive for the H-P server. Storage Tek is a world-renowned supplier of robotic data library systems for the computer industry. The combination of disk-based server and tape-based archive is yet more evidence of the efficacy of hybrid systems.

In addition to the DVCPRO family, the Hewlett-Packard Broadcast Video Server (BVS) and the Storage Tek Media Vault will be on display in the Panasonic NAB booth.

MII Rental Facilities

Contact the association if you would like your company added to this listing.

Alpha Video Edina, MN
(612) 896-9898

Complete MII Edit Facilities

AudioVisual Headquarters
Rancho Dominguez, CA
(310) 885-4200 Rent out 3-AU-65's,
they have shipping cases.

Avon Productions S. Plainfield, NJ
(908) 756-0643 Studio & Field MII,
Cameras, etc.

Avonix Brookfield, WI
800-222-6050
Full line of MII available

Broadcast Video Products
480 Main St Armonk, NY
(914) 273-6649, Jack Miller

Communications Televideo Ltd.
(CTL) Silver Spring, MD
(301) 585-6311 AU-65, D-3 AJD350
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(303) 455-1122

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800-880-9400
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Metrovonic, Inc. Los Alamitos, CA
(310) 430-3509 Full line of MII
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Camcorder WV-F700/AU 410

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MI
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500 Portable MII Deck

Video Replay Chicago, IL
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0488 AU-650, AU-500, AU-400

Canadian Rentals:

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F250/AU45H, AU-W35H

Inter-cite Video Montreal,
Quebec
(514) 342-4545
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AU-520S, WV-F500/AU-45H,
AU-63H,(2) AU-65H ,(1) AU-
W33H, (1)AU-W35H.

Smith Sound Productions
Charlottetown, P.E.I.
(902) 386-2212 WV-F500/AU-
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(604) 732-9711 WV-
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Interested? Contact John Drop, Video Department Chair,
call at (912) 238-2407
fax (912) 238-1456
or write to
SCAD Video Department
235 Habersham Street
Savannah, GA 31401

Virginia Gold Cup

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Gardy McGrath International is pleased to announce that it has been selected as the official television production company to provide coverage of the 70th running of the Virginia Gold Cup. The race, to be produced on MII, will be held on Saturday May 6th. Nestled in the beautiful hills of Virginia Hunt Country, the Gold Cup is annually attended by over 50,000 spectators. The video production of this event, the most prestigious steeple-chasing race in America, is available at no cost to all MII affiliated stations in both MII and VHS formats. This exciting footage will include seven steeple-chase races, presentation of the Gold Cup to the victor, interviews with race officials and participants, and panoramic views of the lush Virginia countryside. All footage is for your free and unrestricted use in this exclusive offer.

To receive your free video presentation, call (703) 620-6000.
Programs will become available for the middle of May.



TAPE TENSION

Jim Franklin of WPSD TV in Paducah reports on a discovery he recently made with an AU-650.

"Symptom was: after timing out in stand by mode to unload back to cassette, the tape instead dumped, no Auto Off initiated by slack sensor and tape was 'eaten.' Manual eject was no problem which was strange in light of what we thought caused the problem.

"After many fruitless hours with no success, someone happened to be 'eyeballing' another location when the tape dumped. It was noted the tape stuck to, and half wrap-ped, around the timer roller. Observation showed it was extremely soft, sticky and a 'damp' dark color. Replacement cured our problem.

"Conclusion: Suspect a new spray cleaner we tried out for head drum flushing. Within a week we had to stop using it because we discovered it 'fogged' the clear hi-voltage brush cover on the top of the head. We therefore assumed that optical sensor windows, such as are part of the Timer Roller circuit, would also be fogged. The latest assumption then is that the chemical(s) of this cleaner probably melted the roller material.

I do not wish to cause the supplier/manufacture any undue headaches so I'll just list the ingredients:

- a. Dichlorofluorocane (CAS #1717-00-6)
- b. Isopropyl Alcohol (CAS #67-63-0)
- c. Tetrafluoroethane (CAS #811-97-2)

Panasonic Responds to

BEARDING?

In response to the many inquiries by association members regarding bearding, Panasonic has chosen to address the issue to assist those who are experiencing it.

Under certain high contrast conditions there is a possibility of bearding, especially when a "F" Series (WV-F500, 700, 565) camera's high band detail is on. The following specifications will apply to both Studio and Portable MII units.

Studio & Portable Recorder

- 1) Set the Playback frequency response level to 95% @ 4MHZ.
- 2) Set the Record frequency response level to 90% @ 4MHZ.

Dockable Recorder

- 1) Set the Record frequency response level to 90% @ 4MHZ.

Studio Deck Alignment (H & W only)

- 1) Playback the sweep portion of the alignment tape (VFM7089EAG) and adjust the Playback frequency response to 95% (VR315, VR316 - W3 P.C.B.)
- 2) Supply a 100% Multi-Burst signal to the unit and adjust the Record frequency response to 90% (VR1, VR2, VC1, VC2 - RA/HA P.C.B.)
- 3) Record current pots should be set between 11:00 ~ 12:00 o'clock.

Portable Deck Alignment

- 1) Set the Record frequency response to 90% and confirm the recorded level's playback in a studio machine.

MII Users Association of American Membership Listing

Alabama

AUVID Productions Int'l Inc.
Nancy Kabajain
PO Box 1933
Huntsville, AL 35807
(205) 534-4666
MII Owner

DCH Regional Medical Center
Larry Parker
809 University Blvd E.
Tuscaloosa, AL 35401
(205) 759-7332
MII Owner

First Frame Video Services
David Black
P.O. Box 995
Pelham, AL 35124
(205) 620-9295
MII Owner

Flint Hill Productions
Charles & Mary Golden
255 S. Charlston CT
Montgomery, AL 36117
(205) 277-7760
MII Owner

Openshaw Productions
Andy Openshaw
3195 Cahaba Heights
Suite 9
Birmingham, AL 35243
(205) 970-9041
MII Owner

WAFF-TV 48
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1414 N. Memorial Pkwy
Huntsville, AL 35804
(205) 533-4848
MII User

Alaska

KTOO-TV
CCBI
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224 Fourth St
Juneau, AK 99801
(907) 586-1670
MII Owner

KYUK-TV
Mike Martz
Pouch 468
Bethel, AK 99559
(907) 543-3131
MII Owner

Arizona

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Tempe, AZ 85251
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Del Sol Productions
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Ft Smith, AR 72914
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MII Owner

Video Pro Productions
T Hall
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Pine Bluff, AR 71613
MII User

California

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Santa Monica, CA 90402
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8057 Crossbridge Rd
Dublin, CA 94568
(415) 833-6031
MII Owner

AME Inc.
Larry Cohen
5510 Cleon Ave.
N.Hollywood, CA 91601
(800) 336-3827
MII Owner

AME Inc.
Chip Vieng
5510 Cleon Ave.
N.Hollywood, CA 91601
(800) 336-3827
MII Owner

Anathema Productions, Inc.
1453 3rd. St. Suite 609
Santa Monica, CA 90401
(310) 394-2620
MII Owner

Assoe. Elec.
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3585 Cadillac Ave
Costa Mesa, CA 92626
(714) 850 9342
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Audiolab Electronics, Inc.
Ron Stefan
5831 Rosebud Ln
Bldg C
Sacramento, CA 95841
800-624-1903
Manufacturer

Audio Visual Headquarters
Richard Farnham
2300 Gladwick
Rancho Dominguez, CA 90220
(310) 885-4200
Supplier

BAVC
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1111 17th st
San Francisco, CA 94107
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(818) 551-5838
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3205 Production Ave Ste E
Oceanside, CA 92054
(619) 721-1951
MII User

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(714) 526-3388
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(818) 840-7000
MII Owner

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Don Brown
1429 W. Collins Ave.
Orange, CA 92667
(714) 771-9711
MII Owner

DSO Productions
Robert Orban
2413 Lincoln Ave
Belmont, CA 94002
MII Owner

Eagle Leasing
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3000 E. Birch St Suite 108
Brea, CA 92621
(714) 579-8777
Leasing

Editing Technologies Corp.
Russ Srole
11992 Challenger Court
Moorpark, CA 93021
(805) 529 7074
Manufacturer: Edit Systems

Electric Images Video
Productions
Kevin Delaney Boland
1132 B. East Foster Rd.
Santa Maria, CA 93455
(805) 937-3196

Electronic Design & Service
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6922
San Fernando Rd.
Glendale, CA 91201
(818) 843-6199
MII Owner/Dealer

First Light Video Publishing
Andy Romanoff
8536 Venice Blvd
Los Angeles, CA 90034
(310) 558-7880
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Fulton Productions
Mervin E. Fulton
3461 E. Tulare Ave.
Tulare, CA 93274
(209) 686-5117
MII Owner

Grace Video
Maynard Dennis Grimm
34476 Colville Place
Fremont, CA 94555
(510) 794-8365
MII Owner

Grass Valley Group
Chris Christensen
P.O. Box 1114,
Mail Stop N3-2H
Grass Valley, CA 95945
(916) 478-3097
Manuf.

Grass Valley Group
Don Davis
P.O. Box 1114,
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GRC Electronics
Greg Capello
1181 Pioneer Way
El Cajon, CA 92020
(619) 464-6446
MII Repair

GRC Electronics
Greg Capello
14082 Valley Springs Road
Poway, CA 92064
(619) 464-6446

Hammar Communications
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1Palmer Building
1475 Old Country Rd.
Belmont, CA 94002
(415) 508-8182
MII User

High Tech Video Service
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931 Enterprise Drive
Sacramento, CA 95825
(916) 922-1400
MII Repair Center

Iranica
Alireza Tabesh
PO Box 8123
Newport Beach, CA 92658-8123
(714) 251-1926
MII User

ITD Productions
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1561 Madrid Dr
Vista, CA 92083
(619) 598-8451
MII Owner

JKATZ Inc.
Rich Borowy
PO Box 2608
San Fernando, CA 91393
(818) 895-8921
MII User

KCRA
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3 Television Cir
Sacramento, CA 95814-0794
(916) 325-3255
MII Owner

King Videocable
Steve Clark
Advertising Production Dept.
22620 Market Street
Santa Clarita, CA 91321
(805) 259-7646
MII Owner

Kolb Entertainment
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14380 Foothill Blvd #26
Sylmar, CA 91342
(818) 362-6753
MII User

KRBK-TV
Annette Wegesend
500 Media Pl.
Sacramento, CA 95815
(916) 929-0300
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KUSI
Richard Large
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San Diego, CA 92123
(619) 571-5151
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KVCR-TV
Don Fertitta
701 S Mt Vernon st
San Bernardino CA 92410
(909) 888-6511 x1325
MII Owner

Metrovics
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Mr. Bill Johnston
3000 W. Alameda Ave
Burbank, CA 91523
MII Owner

NBC
Mr. J. Schoedler
3000 W. Alameda Ave
Burbank, CA 91523
MII Owner

Nelson Media Group
Bill Nelson
3703 Savannah
Bakersfield, CA 93313
(805) 833-8313
MII Owner

Odetics Broadcast
Gene Zimmerman Jr
1515 S Manchester Ave
Anaheim, CA 92802-2907
(800) 243-2001
Manuf.

Panasonic
Robert C. Patch
6650 Ratella Ave.
Cypress, CA 90630

Philips Interactive Media
POV Entertainment
David White
325 E Hillcrest ste 250
Thousands Oaks, Ca 91362
(805) 371-1300
MII Owner

Precious Memories Video
Chuck Hashim
320 East 18th St.
Bakersfield, CA 93305
(805) 322-6245
MII User

Professional Desktop Video
Systems
Dave Love
6922 San Fernando Rd
Glendale, CA 91201
(800) 862-7820 (818) 848-9127
MII Owner/Supplier

PSICOR Inc.
Harry Hoer
16818 Via del Campo Ct
San Diego, CA 92065
(619) 485-5599 x 7135
MII User

Recatex Inc
L.H. Lee
1290 Lawrence Station Rd
Sunnyvale, CA 94089
MIII User

R.T. Forney & Associates
9211 Carrolltown Dr.
Huntington Beach, CA 92646-5805
(714) 551-9062
MII Owner

R-VCR
Larry O. Dean
716 West "D" St.
Ontario, CA 91762
(909) 984-3057
MII User

SEBA Media Center
Larry J. Beldon
818-H Main Street
Pleasanton, CA 94566
(510) 484-9629
MII Owner

Shooby-Dooby Duping
Terrence West
1429 W. Collins Ave.
Orange, CA 92667
(714) 744-4041
MII Owner

Spot Productions
Frank Vanella
5343 Birch Grove Dr.
San Jose, CA 95123
(408) 224-1500
MII Owner

Tele-Video Production Services
Jon Solander
3655 Grand Ave., 2nd Fl
Oakland, CA 94610
(510) 893-0555
MII Owner

Tentel
Wayne Graham
4475 Golden Foothills Pkwy
El Dorado Hills, CA 95630
(800) 538-6894
Manuf.

Toaster Marmalade
Mark Stross
4842 Via Colina
Los Angeles, CA 90042
(818) 552-5024
MII Owner

Tripp Communications Sales
PO Box 5267
Walnut Creek, CA 94596-1267
(510) 686-1801
MII User

Tri-Valley Community TV
Jack Oliver
4663-B Bernal Ave.
Pleasanton, CA 94566
(510) 462-3030
MII Owner

Truckee River Studios
Larry Beldon
1680 Diablo Vista Rd
Alamo, CA 94507
(510) 943-7192
MII Owner

UC B/HIS Broadcasting
NE Peterson
8990 Gaddini Rd
Winters, CA 95694
MII User

UCLA-Behavioral Sciences
Media Lab NPI
Gary Lord
760 Westwood Plaza
Los Angeles, CA 90024
(213) 825-0448
MII Owner

United Media
Leslie Ricci
4771 E. Hunter
Anaheim, CA 92807
MII User

Unitel Video
Mark Miller
3330 Caluenga Blvd, West
Los Angeles, CA 90068
(213) 878-5800
MII Owner

VMI, Inc.
Philip Bergey
211 Weddell Drive
Sunnyvale, CA 94089
(408) 745-1700

Vaughn Duplication Services
Paul Taylor
2465 Campus Dr., Ste M
Irvine, CA 92715
(714) 252-0190
MII Owner

Video Post Production
Nasser Ardeshtir
P.O. Box 317
Verdugo City, CA 91046
(818) 903-2885/957-7851
MII Owner

Video Proofs
George Bazich
560 Martin Ave
Studio D
Rohnert Park, CA 94928
(707) 586-0383
MII Owner

Video Systems Service Center
Mike Johnson
23322 Peralta #3
Laguna Hills, CA 92653
(714) 855-1082
MII Repair

Vision Star Productions
Mike Strauss
2465 Campus Dr Suite 15
Irvine CA 92715
(714) 852-9927
MII User

Visual Creations
Thomas Wilson
2040 Niderer Rd.
Paso Robles, CA 93446
(805) 239-0156
MII Owner

Walt Davis Enterprises
Doug O'Connor
931 N Cole Ave. Hollywood CA
90038 (213) 461-0700
Dealer

Wilderness Production
Mike Conway
PO Box 10260
S. Lake Tahoe, CA 96158
(916) 577-3008
MII Owner

Wilderness Video
Robert Glasic
P.O. Box 2175
Redondo Beach, CA 90278
(310) 539-8573
MII Owner

Your Video Productions
Jeri Ann & Clark Severson
2183 Fairview Rd, Ste. 104
Costa Mesa, CA 92627
(714)645-9687
MII Owner

Colorado

Advanced Audio Video
Philip Yun
7700 E. Iliff,
Suite H
Denver, CO 80231
(800) 368-0406
MII Owner

American Magnetic Media
Jeff Martin
5580 Havana Unit 6A
Denver, CO 80239
(800) USA-TAPE
MII Owner

FRCC Media Center
David Alan Sacher
3645 W 112th Ave
Westminster, CO 80030-
2199
303-466-8811 x494
MII User

Tom Houston
3143 Glendevy Dr.
Loveland, CO 80538-2449
(303)667-2001
MII Owner

KCD
Ted Chavez
9952 Eastman Park Dr.
Windsor, CO 80551
(303) 686-4640
MII Owner

KCNC-TV
David Layne
1044 Lincoln St
Denver, CO 80203
(303) 830-6426
MII Owner

KCNC-TV
Larry Ries
1044 Lincoln St
Denver, CO 80203
(303) 830-6341
MII Owner

KCNC-TV
Don Sturgesleski
1044 Lincoln St
Denver, CO 80203
(303) 830-6344
MII Owner

KOAA-TV
Ken Renfrow
PO Box 195
Pueblo, CO 81002
(719)544-5781
MII Owner

KOAA-TV
Peter Hockezema
PO Box 159
Pueblo, CO 81002
(719)544-5781
MII Owner

Martin Marrietta
Jim Pirtle
Falcon AFB
Colorado Springs, CO
80912
(719) 380-2552
MII Owner

Mesa Media
Jeff Bahoe
6939 W 25 Pl
Lakewood, CO 80215
(303)237-9409
MII User

Mesa Media
Grant Richards
6939 W 25 Pl
Lakewood CO 80215
(303) 237-9409
MII User

Optical Audio Productions
Mike Koury
2290 E. Prospect, Ste 4
Fort Collins, CO 80525
(303) 484-5535
MII Owner

Quest Video Productions
Chuck Hemstreet
PO Box 1485
LaPorte, CO 80535-2485
(303)224-3612
MII Owner

Rocky Mtn Audio Video
Terry Talley
4301 S Federal Blvd 101
Englewood CO 80110
(303) 730-1100
MII User

Vidmaxx Productions
Chris Lyman
2100 W. 100th Ave.
Thornton, CO 80221
(303) 751-3100

VU Videos
Eric Wheeler
1420 Blake Street
Denver, CO 80202
(800) 637-4336
Supplier

Connecticut

ANGELSEA
Craig Tomlin
55 Russ St.
Hartford, CT 06106
(203)241-8111
MII Owner

Anton Bauer
Shin Minowa
1 Controls Dr.
Shelton, CT 06484
(203) 929-1100
Manuf.

Cinemat
Tim Schult
127 Main St. N.
Woodbury, CT 06798
(203)263-0006
MII Owner

Conover Production
Services
Bob Conover
116 M Research Dr
Milford CT 06460
(203) 877 5427
MII User

Insight
Tom Carroll
19 Ketchum St.
West Port, CT 06880
(203) 833-1115
MII Owner

Quinnipiac College
Bruce Carpenter
Ed McMahon Mass Comm's
Ctr.
Mt Carmel Ave
Hamden, CT 06518
(203) 281-8636
MII Owner

WTXX-TV
George Parson
15 Peach Orchard Rd
Prospect, CT 06712
(203)758-3901
MII Owner

Delaware

Fotovideo Associates, Inc.
Rick Greenberg
Rt 26 PO Box 402
Oceanview, DE 19970
(302)537-1447
MII Owner

Maroon Group, Ltd.
Charles Weber
4 Denny Rd.
Wilmington, DE 19809
(302) 764-3400
MII Owner

District of Columbia

C-SPAN
Brian Lockman
444 North Capitol Street
Suite 412
Washington, DC 20001
(202) 737-3220
MII Owner

C-SPAN
Dave Roycraft
400 North Capitol Street
Suite 650
Washington, DC 20001
(202) 626-7991
MII Owner

C-SPAN
Tim Dombro
400 North Capitol Street
Suite 650
Washington, DC 20001
(202) 737-3220
MII Owner

C-SPAN
Tim Masters
400 North Capitol Street
Suite 650
Washington, DC 20001
(202) 737-3220
MII Owner

C-SPAN
Marianne Woody
400 North Capitol Street
Suite 650
Washington, DC 20001
(202) 626-4604
MII Owner

Department of Veteran Affairs
George Brown
Communications
810 Vermont Ave, NW
Washington, DC 20420
MII User

JAMM-TV
David Welsh
1640 Columbia Rd.
Washington, DC 20009
(202) 667-5266
MII Owner

National Credit Union
Administration
Bob Parks
1776 G St. N.W.
Washington, DC 20456
MII Owner

Ralph Graves Productions, Inc.
1100 Connecticut Ave., NW
Washington, DC 20036
(202) 822-9717

The Media Group
Andrea Stelter
1118 22nd St., NW
Washington, DC 20037
(202) 833-4461
MII User

WRC-TV
Harris Sullivan
4001 Nebraska Avenue
Washington, DC 20016
(202) 885-4133
MII Owner

WRC-TV
Ron Thorpe
4001 Nebraska Avenue
Washington, DC 20016
(202) 885-4012
MII Owner

WRC-TV
Mike Benetato
4001 Nebraska Avenue
Washington, DC 20016
(202) 885-4139
MII Owner

Florida

ABC1 Productions
Alden Shipley
5401 Collins Ave.
Suite CUI2
Miami Beach, FL 33140-2518
(305) 86404800
MII Owner

Audio Visual Innovations
Ron Lyman
6313 Benjamin Rd.
Tampa, FL 33634
Dealer

John Barker
9350 NW 16th St.
Plantation, FL 33322

Bassin Distributing
Jim Dichito
15959 NW 15th Ave
Miami, FL 33169
(800)329-7664
Supplier

Blue Mango Productions
Ed Reinhardt
1513 Wiley St
Hollywood, FL 33020
(305) 921-0079
MII Owner

Broadcast Inrl Group
Ron Simboli
8280 NW 27th St Ste 515
Miami FL 33122
(305) 599-2112
MII User

Harry Breitmeyer
1365 McMullen Booth
Clearwater, FL 34619
(813)726-2024
MII Owner

CBF Media Centre
Bob Bernhardt
3400 Raleigh St
Hollywood, FL 33021
(305) 964-2940
MII Owner

Centerroom Inc.
Keith Lamp
4710 Eisenhower Blvd, Ste C4
Tampa, FL 33634
(813)886-8266
MII Owner

Channel 20
Julie Brechbill
215 N. Olive Ave, Suite 100
West Palm Beach, FL 33402
(407) 355-4573
MII Owner

Computer Power, Inc.
Glenn Caton
PO Box 2388
Jacksonville, FL 32204
(904)359-5135
MII Owner

Crawford Productions
Rusty Crawford
PO Box 1192
New Smyrna Beach, FL
32170-1192
(904) 427-6626
MII Owner

Electric Image Media Systems
3409 NW 9th Ave ste 1104
Ft Lauderdale FL 33309
(305)537-9323

Used Eqpt Dealer
Encore Broadcast Sales
Jon Faiell
1252 E. Hillsborough Ave
Tampa, FL 33604
(813) 669-8332
Supplier
New/Used Eqpt Dealer

Burt Rudman Productions
Burt Rudman
3912 Hamilton Club Circle
Sarasota, FL 34242
(813) 346-2862

High Tech Enterprises, Inc.
Bill Costello
11100 66th St.N.
Suite 27
Largo, FL 34643
(813) 546-6407
MII Owner

Industrial Video Technology
Inc.
Lisa Heydet
2120 Hollywood Blvd.
Hollywood, FL 33020
1(800)362-RENT
New/Used Eqpt Dealer

Lakeland Regional Medical
Center
Education Dept.
Ryan Lee
1324 Lakeland Hills Blvd.
Lakeland, FL 33805
(813) 687-1127
MII Owner

Lockheed Space Operations
Clyde Smith
LSO 350 TRM 029
KennedySpace Center, FL
32899
(407) 867-3875
MII User

Lockheed Space Operations
Ed Mikolas
MS LSO 110
Kennedy Space Center, FL
32899
(407)867-2280
MII Owner

Lockheed Space Operations
Robert Simmer
MS LSO 115
Kennedy Space Center, FL
32899
(407) 867-2280
MII Owner

MagneTech
Michael Pardo
3941 SW 47th Ave.
Ft Lauderdale, FL 33314
1-800-683-DUPE
(305) 791-6711
MII Owner

Mayo Clinic
Bill Wimsatt
4500 San Pablo Rd.
Jacksonville, FL 32224
(904) 223-2008
MII Owner

Medfo, Inc.
John P. Lenthart, MD
6110 9th St. N.
St Petersburg, FL 33703
(813) 521-4130
MII Owner

Medfo, Inc.
Dennis McDougall
6110 9th St. N.
St Petersburg, FL 33703
(813) 521-4130
MII Owner

Media Concepts
Bob Skidmore
559 49th Street South
St. Petersburg, FL 33707
(813) 321-2122
Dealer

Multi Image Group
Jim Ballentine
1080 Holland Drive
Boca Raton, FL 33487
(800) 523-2682
Supplier

National Television Supply
Chuck Bachus
PO Box 130202
Ft Lauderdale 33313
(305) 748-2985
MII User

Pat Appleton Studios, Inc.
Pat Appleton
757 SE 17th St., Suite 358
Fort Lauderdale, FL
33316-2960
(305) 587-7900
MII Owner

Solid Waste Authority
Steve Collegeman
7501 N Jog Rd.
West Palm Beach, FL 33412
(407) 640-4000
MII Owner

Sword Productions
Dale Sweet
1911 Manor Circle Dr
Winterhaven, FL 33880
(813) 293-5916
MII Owner

U.S. Air Force Wright
Laboratory WL/MNGI
Don Snyder
Eglin AFB, FL 32542
(904)882-9911
MII User

Vaughn Duplication Services
Ric Everett
5414 Beaumont Center Dr.,Ste
202
Tampa, FL 33634
(813)887-3141
MII Owner

Videocam Export Co.
Juan Carlos Camillo
7305 NW 36th Street
Miami, FL 33166
(305) 592-2034
Dealer

Videocam Export Co.
Irving Perez
7305 NW 36th Street
Miami, FL 33166
(305) 592-2034
Dealer

Video Factory
Richard Pabis
1126 S. Division Ave
Orlando, FL 32805
(407) 246-6316
MII Owner

Video Techniques, Inc.
Robert Lorentzen
PO Box 9649
Bradenton, FL 34206-9649
(813)746-4949
MII Owner

Vue-Com Inc.
Marshall Ham
1126 S Division Ave
Orlando, FL 32805
(407)423-7869
Dealer

WDZL
Bob Castillo
2055 Lee St.
Hollywood, FL 33020
(305) 925-3939
MII Owner

WFLA
Mike Healy
905 E Jackson St
Tampa, FL 33614
(813) 228-8888
MII Owner

WFTS
Luis Romero
4501 E Columbus Dr
Tampa, FL 33605
(813) 623-2828
MII Owner

WFTS
Jean Varn
4501 E Columbus Dr
Tampa, FL 33605
(813) 623-2828
MII Owner

WPTV
Edward J. Roos
P.O. Box 510
Palm Beach, FL 33480
(407) 655-5455
MII Owner

Georgia

Atlanta Duplication
Dan Nobels
4330 Royal Mustang Way
Lithonia, GA 30058
(404)978-1299

Atlanta Video Production Center
Joseph Gorn
800 Forrest Street, NW
Atlanta, GA 30318-7620
(404) 355-3553
MII Owner

IBM
Victoria Pendleton
3100 Windy Hill Rd.
Internal Zip WEIC1
Marietta, GA 30067
(404) 835-3492
MII Owner

IBM
Judy Sapp
3100 Windy Hill Rd.
Internal Zip WEIC1
Marietta, GA 30067
(404) 835-3492
MII Owner

K&M Electronics
2620 Mtn Ind Park Ste F
Tucker, GA 30084
(404) 934-2151
Repair Center

LLithonia Lighting
Mike Rogers
Video Communications
1400 Lester Rd
Conyers, GA 30207
(404) 922-9000 x2517
MII Owner

Motion Visuals
Pat Cooksey
PO Box 43371
Atlanta, GA 30336
(404)696-2709
MII Owner

National Video Exposure
Clyde Land
5100 Kerry Dr.
Atlanta, GA 30331
(404) 344-1551
MII Owner

Printpack, Inc.
John Clower
4335 Wendell Dr.
Atlanta, GA 30336
(404) 691-2538 x445
MII Owner

Savannah College of Art &
Design
Ralph Gann
P.O. Box 3146
Savannah, GA 31402-3146
(912)238-2407
MII Owner

Strickland Video & Film Support
John Strickland
2972 Chipmonk Trail
Marietta, GA 30067
(404) 988-0803
MII Owner

Vaughn Duplication Services
Rick Gauthier
2700 NE Expressway
Bldg A, Ste 200
Atlanta, GA 30345
(404)728-9025
MII Owner

Video Age
Don Land
5680 Oakbrook Pkwy
Suite 135
Norcross, GA 30093
(404) 840-9220
MII Owner

Video Copy Services
Rick Stevens
1699 Tullie Circle Ste 117
Atlanta, GA 30329
(800)553-3616
(404)321-6933
MII Owner

Videotography Inc
Damon Smith
PO Box 8263
Savannah, GA 31412
MII User

WRBL Productions
Barry Cammon/Robert Hill
1350 13th Ave.
Columbus, GA 31901
(706) 323-3333
MII Owner

WTVM-TV
Mike Burnett
P.O. Box 1848
Columbus, GA 31902-1848
(706) 324-6471
MII Owner

Zan Productions
Roseann Bush
1189 Beech Valley Rd. NE
Atlanta, GA 30306-3121
(404)872-0719
MII Owner

Hawaii

Hawaiian Image Video
Ron Darby
44-401 Kaneohe Bay Drive
Kaneohe, HI 96744
(808) 254-4644
MII Owner

Hot Shot Productions
Jim Abell
PO Box 1297
Kapaa, HI 96746
MII User

Kit Video Productions
Bill George
1095 Kalapaki Street
Honolulu, HI 96825-2710
(808)395-1244
MII Owner

Video Concepts
Bob Ramacher
Kevin Harrington
1060 Kupulua Dr.
Kihei, HI 96753
(808) 879-1329
MII Owner

Video Lab
Norm Nichols
641 Keenamoku, Ste. 5
Honolulu, HI 96814
(808) 947-5227
MII Owner

Idaho

KTRV
Brian Royster
P.O. Box 1212
Nampa, ID 83653
(208) 888-1200
MII Owner

TCI Cablevision
Neil Smith
8800 West Park
Boise, ID 83704
(208)375-8888
MII Owner

Illinois

3 A B N
Moses Primo
PO Box 220
W Frankfort, IL 62896
(618) 627-4651
MII User

3M Tape Sales
Dave Rahmlow
908 N. Elm St.
Hinsdale, IL 60521
(800) 942-3961
Manuf.

Bible Students Publications
George Tabac
900 Brentwood
Bensenville, IL 60106
(708) 595-0984
MII Owner

BCentercom Inc.
Vicky Jacobs
3070 N Lake Terrace
Glenview, IL 60025
(708)486-8060
MII Owner

Copymaster Video
Larry Stengren
711 E. Fairfield Ave.
Villa Park, IL 60181
(708) 279-1276
MII Owner

Illinois Central College
Tom Boyer
1 College Drive
East Peoria, IL 61635
(309) 694-5397
MII Owner

Little Fort Media
Weldon Johnson
113-115 N Genesee
Waukegan, IL 60083
(708) 244-9666
MII Owner

Master Images Video
Duplications, Inc.
Skip Navar
112 Carpenter Ave.
Wheeling, IL 60090
(708) 541-4440
MII Owner

NBC
Mr. T. Powers
454 N. Columbus Dr
Chicago, IL 60611
MII Owner

Provid Supply
Regina Szpak
896 Webster Ln
Desplaines, IL 60016
(708) 299-7832
Supplier

Roscor Corp
Mitch Roston
1061 Feehanville Drive
Mt Prospect, IL 60056
(708)299-8080
MII User

Richert Video Productions
Ken Richert
R.R. 1 Box 35
Beason, IL 62512
(217)732-8865
MII Owner

State Farm Insurance
Randy Smith
1 State Farm Plaza
Bloomington, IL 61710
(309) 766-6176
MII Owner

State Farm Insurance
Steve Snyder
1 State Farm Plaza
Bloomington, IL 61710
(309) 383-3368
MII Owner

Televest Video Services
Don Shannon
6333 West North Ave
Oak Park, IL 60302
(708) 383-5588
MII Owner

TeleVisual Productions
Dave Beatty
1287 Wabash
Springfield, IL 62704
(217)787-4757
MII Dealer/Repair Center

The Orenda Group
Jim Riemersma
9848 South Winchester Ave
Chicago, IL 60643
(312) 238-3578
MII Owner

Three Angels Broadcasting
Network
Clarence Larson
Rt 3 Box 176
Thompsonville IL 62890
(618)627-4651
MII User

Video FX
Stuart Soifer
400 Jefferson Ct
Wheeling, IL 60090
MII User

Video Production Group
Mark Wilder
511 Court St
Pekin, IL 61554
(309)353-6158
MII Owner

Video Replay
Ron Norinsky
118 West Grand Ave.
Chicago, IL 60610
(312)467-0425
MII Owner

Video-Tech Production
Alan Thursby
P.O. Box 2251
1602 Melrose Ct.
Decatur, IL 62526
(217) 877-9422
MII Owner

WICID-TV
David Boyer
250 Country Fair Dr.
Champaign, IL 61821
(217) 351-8500
MII Owner

WIFR-TV
Willard Shears
PO Box 123
Rockford, IL 61105
(815)987-5300
MII Owner

WSBT AM-TV/WNSN FM
Chris Thornton
300 W Jefferson Blvd
South Bend IN 46601
(219)233-3141
MII User

WTVO
Al Petzke
1917 N Meridian Rd
Rockford, IL 61105
(815) 963-5413
MII Owner

Indiana

Ball State University
Bill Cahoe
University Media Services
Muncie, IN 47306
(317) 285-1486
MII Owner

Ball State University
Chris Weyers
BC#179
Muncie, IN 47304
(317) 285-8185
MII Owner

Reed Productions
Kevin Bassett
PO Box 977
Warsaw, IN 46580
(219) 267-4199
MII Owner

Sho-n-Tell
Rollie Bunce
8241 Milhouse Rd
Indianapolis, IN 46241
(317)856-5418
MII Owner

Video Management Systems
Dan Hall
7857 E 88th
Indianapolis, IN 46256
(317) 841-1212
MII Owner

Video Management Systems
Jeff McFall
1004 E. Washington Street
Indianapolis, IN 46202
(317) 639-6163
MII Owner

WFFT-TV
Mac McShane
3707 Hillegas RD
Ft. Wayne, IN 46808
(219) 471-5555
MII Owner

WIPB-TV
James Miller
PO Box 1708
Muncie, IN 47308
(317)285-1249
MII Owner

WKJG-TV
Matt Kyle
2633 West State Blvd
Ft. Wayne, IN 46808
(219)422-7474
MII Owner

WSBT AM TV
Chris Thornton
300 W Jefferson Blvd
South Bend, IN 46601
(219) 233-3141
MII Owner

WTTV
Rick Barber
3490 Bluff Road
Indianapolis, IN 46202
(317) 782-4444
MII Owner

Iowa

Clown State University
Jim Twetten
Media Production Unit
Exhibit Hall S
Ames, IA 50011
(515) 294-2316
MII Owner

Kirkwood Community College
Joe Taylor
P.O. Box 2068
Cedar Rapids, IA 52406
(319)398-5620
MII Owner

WHO-TV
Frank Clark
1801 Grand Avenue
Des Moines, IA 50309
(515) 242-3627
MII Owner

23rd Century Productions
Jim Infelt
100 E. Bremer Suite 7
Waverly, IA 50677
(319) 352-1772

Kansas

Beechcraft Corp.
Richard Young
PO Box 85
Wichita, KS 67201
MII Owner

First Generation Video
Wink Friesen
1802 N. Plum
Hutchinson, KS 67502
(316) 662-9262
MII Owner

Heartland Productions, Inc.
Bryan Winsby
PO Box 4180
Shawnee Mission, KS 66204
(913)236-6088
MII Owner

Kansas City Kansas Community
College
Mychal Kimbrough
7250 State Ave.
Kansas City, KS 66112
(913) 596-9639
MII Owner

KSAS-TV
David Bird
316 N. West St.
Wichita, KS 67203
(316)942-2424
MII Owner

Majec Video Productions
Jordan Gerahon
1365 N. Winchester
Olathe, KS 66061
(913)894-1188
MII Owner

Prism Productions
James Horine
110 South Cherry, Suite 1
Olathe, KS 66061
(913) 782-2992
MII Owner

River City Video Productions
Mike Sustar
13000 West Kellogg
Wichita, KS 67235
(316)722-5441

Smokey Hills Public TV
Lloyd Mintzmeier
PO Box 9
Bunker Hill, KS 67626
(913) 483-6990
MII Owner

University of Kansas
Brian Powell
Athletic Dept.-Football
Allen Fieldhouse
Lawrence, KS 66045
MII Owner

Kentucky

Dench Video Services, Inc.
Tim Dench
9141 Bardstown Rd.
Louisville, KY 40291
(502) 239-0229
MII User

KET
Michael Howard
600 Cooper Drive
Lexington, KY 40502-2296
(606) 258-7089
MII Owner

S & W Productions
Tom Prigge
459 Broyles Ave
Paducah, KY 42003
(502) 554-3057
MII Owner

S & W Productions
Terry Schmitt
459 Broyles Ave
Paducah, KY 42003
(502) 554-3057
MII Owner

WPSD-Engineering Dept.
Jim Franklin
P.O. Box 1197
Paducah, KY 42002-1197
(502) 442-8214
MII Owner

Louisiana

Audio Video Specialists
Bob Leonard
234 Metairie Rd.
Metairie, LA 40005-4596
(504) 835-4027

Execute Productions
Tom Samuels
127 S. Solomon St
New Orleans, LA 701195928
(504)482-8848
MII User

Amanda Jones
1900 N 18th St.
Premier Plaza, Ste. 303
Monroe, LA 71201
(318) 388-2438

JB CableAds
Jim Dull
635 Stoner Ave.
Shreveport, LA 71101
(318) 222-4290
MII Owner

Newcomer Young Productions
James Young
201 Trenton St
West Monroe, LA 71291
(318)325-4413
MII Owner

Newcomer Young Productions
Ken Purcell
201 Trenton St
West Monroe, LA 71291
(318)325-4413
MII Owner

Newcomer Young Productions
Chris Turner
P.O. Box 7576
West Monroe, LA 71211
(318)325-1544
MII Owner

Vidox
Chris Allain
1223 St. John St.
Lafayette, LA 70506
(318)237-1700
MII Owner

WYES
Mike Denning
PO Box 24026
New Orleans, LA 70184
(504) 486-5511
MII Owner

Maine

Maryland

Antietam Cable TV
Bill Lucas
1000 Willow Cr
Hagerstown, MD 21740
(301) 797-5000 x122
MII Owner

Antietam Cable TV
Dave Dahl
1000 Willow Cr
Hagerstown, MD 21740
(301)7 7-5000 x122
MII Owner

Antietam Cable TV
Cynthia Garland
1000 Willow Cr
Hagerstown, MD 21740
(301)7 7-5000 x122
MII Owner

AVA Productions
Dick Slade
1412 Northcrest Drive
Silver Spring, MD 20904
(301) 384-9595
MII Owner

Bell Atlantic
Tom Erdely
801 Roeder Road
Silver Spring, MD 20910
(301) 565-8663
MII Owner

Carpel Video
Andy Carpel
429 E. Patrick St
Frederick, MD 21701
(800) 238-4300
supplier

Colorlab
Russ Suniewicz
5708 Arundel Ave.
Rockville, MD20852
(301) 770-2128
MII Owner

Commercial Video Services
Greg Honeycutt
101 Winston, St
Cumberland, MD 21502
(301)724-2799
MII Owner

Communications Televideo Ltd.
Charles Brochna
9301 Georgia Ave.
Silver Spring, MD 20910
(301) 585-6311
Dealer

Communications Televideo Ltd.
Paul Farren
9301 Georgia Ave.
Silver Spring, MD 20910
(301) 585-6311
Dealer

Communications Televideo Ltd.
Mr. Han S. Jan
9301 Georgia Ave.
Silver Spring, MD 20910
(301) 585-6311
Dealer

Cranberry Photography & Video
Jim Cranberry
739 Manor Drive
Oakland, MD 21550
(301) 334-3344

Fallen Angels Films, Inc.
Lynn Till
530 Fawn's Walk
Annapolis, MD 21401
(410)874-0516
MII Owner

Fay Communications Inc.
Tim Fay
802 Argyle Rd
Silver Spring, MD 20901
(301)588-0778
MII Owner

Fuji Pro Tape
J. Thomas Baum
1089 Heathers Dr.
Westminster, MD 21158-3602
(301) 876-9590
Manuf.

Global Vision
Tariq Nazir
PO Box 535
Reisterstown, MD 21136
(301)356-6715
MII User

Hocus Focus Productions
Don Armstrong
200 E Joppa Rd, Ste L105
Towson, MD 21204
(410)832-5740
MII Owner

Henry Joseph, III
10169 New Hampshire Ave.
Suite 198
Silver Spring, MD 20903
(301) 434-7347
MII User

Image Solution Productions
Bob Leggum
1375 Canterbury Way
Potomac, MD 20854
(301) 340-9566
MII Owner

Image Productions
John Young
9535 Mapleview Road
Hagerstown, MD 21740
(301) 739-4590
MII Owner

In Motion Magazine
Allison Dollar
1201 Seven Locks Road
Potomac, MD 20854

In Motion Magazine
Lynn Johnson
1201 Seven Locks Road
Potomac, MD 20854

Johns Hopkins APL
Fred Carmen
Johns Hopkins Rd
Laurel, MD 20723
(301) 953-6787
MII Owner

KTS Television & Film
Mark Kregel
1403 Ransom Ct.
Aberdeen, MD 21001
(410) 734-7961
MII Owner

151 Easton Blvd.
Preston, MD 21655
(301) 673-7151
MII Owner

PG County Office of TV
Resources
Don Mattingly
8437 Landover Road
Landover, MD 20785
(301) 386-1629
MII Owner

Prince Georges Co. Public
Schools
Scott Schiller
8437 Landover Road
Landover, MD 20785
MII Owner

Prince Georges Co. Public
Schools
Chuck Wolfe
8437 Landover Road
Landover, MD 20785
MII Owner

Ralph Graves Productions, Inc.
Bill Graves
5161 River Rd, Bldg 2, Suite 103
Bethesda, MD 20816
(301) 986-4577
MII Owner

Rhema Christian Center
Frank DeFede
5412 14th Ave.
Hyattsville, MD 20782
(301) 559-5781
MII Owner

Sign Media Inc.
Verden Neas
4020 Blackburn Lane
Burtonsville, MD 20866
(301) 421-0268
MII Owner

Studio 101
Bob Lyons
9157 Highbanks Dr.
Easton, MD 21601

Towson State University
Stacey O'Neal
Dept of Speech/Communication
Towson, MD 21204
(410) 830-3433
MII Owner

USF&G Corp
Steve Kuhn
P.O. Box 1138
Baltimore, MD 21203-1138
(410)578-2916
MII Owner

Video on Location
Jimmy Veizis
11600 Nebel St.
Rockville, MD 20852
(301) 984-5823
MII Owner

Video on Location
Dino Veizis
11600 Nebel St.
Rockville, MD 20852
(301) 984-5823
MII Owner

Video Transfer, Inc.
Ernie Aschenbach
5709-B Arundel Ave.
Rockville, MD 20852
(301) 881-0270
MII Owner

VMAG
Kendra Cook
5410 Goldsboro Road
Bethesda, MD 20817
(301) 320-0077
MII Owner

Washington Professional
Systems
Mike Gerry
11157 Viers Mill Rd
Wheaton, MD 20902
(301) 942-6800
Dealer

WBFF
David Hackney/Del Parks
2000 W. 41st. Street
Baltimore, MD 21211
(301) 467-4545
MII Owner

WHAG-TV
Wayne Younkins
13 E. Washington St.
Hagstons, MA 01740
(301) 797-4400
MII Owner

Massachusetts

A/V Services
Bob Pooler
674 Mass Ave (Rt 111)
Boxborough, MA 01719
(508) 263-7727
MII Owner

Bob Benson Video Film
Robert Benson
287 Chappel St
Holden, MA 01520
(508) 829-5448
MII Owner

Crossroads Comm's, Ltd.
Peter B. Schulze
P.O. Box 428
Monterey, MA 01245
(413) 528-5771
MII Owner

The Camera Corp
Marty Feldman
858 Providence Hwy
Norwood, MA 02062
Dealer

Mike Healy
25 Highland Terrace #2508
Plymouth, MA 02360

Iron Fist Productions
Ariel Lustig
98 Brookline Ave. #2
Boston, MA 02215-3905
(617) 646-5954
MII User

LCR Productions
Leo Rotkiewicz, Jr.
46 Elm St
South Deerfield, MA
01373-1006
(413) 665-2946
MII User

Media Partners of MA
Gary Pink
1837 Ocean St.
Marshfield, MA 02050
(617) 837-5301
MII Owner

New England Cablevision
Jerry Klinow
38 Blackburn Center
Gloucester, MA 01930
(508) 281-2285

Post Time Productions
Fred Mycroft
340 Anawan Street
Rehobeth, MA 02789
MII Owner

Michigan

Blue Sky Productions
Peter Hickman
1020 Croyts Rd., Suite 305
Lansing, MI 48917
(517) 886-2010
MII Owner

O Box 96
Bangor, MI 49013
(616) 427-8233
Dealer

Dunbar Video Productions
William Dunbar
2487 Houser Rd
Holly, MI 48442
(313) 634-6866
MII Owner

Dan Fitzgerald
P.O. Box 126
Tecumseh, MI 49286
(517) 423-8124
MII User

Inf'l Learning Systems,
Inc.
Larry S. Bothe
Rm 120 Bell Hall
Andrews University
Besmer Springs, MI
49104-0087
(616) 471-6052
MII Owner

Ken Johnston
3470 Dobie Rd
Okemos, MI 48864
(517) 349-2976
MII User

Lake Michigan College
Kevin Birdsall
2755 E Napier Ave
Benton Harbor, MI 49022
(616) 927-3571 x5249
MII Owner

Mt Zion Temple
David McClure
4900 Maybe Rd
Clarkston, MI 48348
(313) 391-6166
MII Owner

PDC2 MultiMedia
Kirt Albrecht
7465 West Grand River
Brighton, MI 48116
(810) 229-0843
MII Owner

Q-1 Video Network
Tim Hart
62 Division
Coldwater, MI 49036
(517) 279-8752
MII Owner

True Life Video
Ted & Kay Slankster
9155 Davisburg Road
Clarkston, MI 48348
(313) 625-9155
MII User

University of Michigan,
METN
Jerry McCarty
RM 1020 HH Dow Bldg
Ann Arbor, MI 48189-
2136
(313) 763-1233
MII Owner

Vivid Visions, Inc
Christopher Hart
9282 General Dr., Suite
130
Plymouth, MI 48170
(313) 453-7770
MII Owner

VPM Studios
Gene Casaroli
13761 Bell Court
Stirling Heights, MI 48312
(313) 939-8680
MII Owner

Western Michigan Public
Broadcasting
Tim Scarpino
301 West Fulton
Grand Rapids, MI 49504-
6492
(616) 771-6666
MII Owner

Western Michigan
University
James Kirkin
Television Department
Kalamazoo, MI 49008-
3899
(616) 387-5040
MII Owner

Western Michigan
University
Janet Oliver
Television Studios
Kalamazoo, MI 49008-
5167
(616) 387-5042
MII Owner

WNEM TV 5
Greg Surma
107 N. Franklin St
PO Box 531
Saginaw, MI 48606
(517) 758-8191
MII Owner

WNEM TV 5
Michael J Miller
107 N. Franklin St
PO Box 531
Saginaw, MI 48606
(517) 755-8191
MII Owner

WNMU-TV
Northern Michigan University
Earl Lattich
Marquette, MI 49855
MII Owner

Wolohan Lumber
Paul Adler
P.O. Box 3235
1740 Midland Rd
Saginaw, MI 48605
(517) 793-4532 x374
MII Owner

WXYZ
Mike Doback
PO Box 789
Southfield, MI 48037
(313) 827-9490
MII Owner

WZZM-TV
Chuck Mikowski
645 Three Mile Rd N.W.
Grand Rapids, MI 49504
MII Owner

Minnesota

3M
Chris Binner
3M Center
Building 223-SN-01
St Paul, MN 55119
(612) 733-9697
MII User

Audio Visual Wholesaler
Tom Toutges
5395 31st Ave
Plymouth, MN 55447
1 800-862-2339

Century Design
Jody Heuring
530 15th Ave. S.
Hopkins, MN 55343-7889
(612) 935-0033
MII Owner

CASAA Productions
Larry Gilbertson
2101 57th Ave N
Brooklyn Park, MN 55430
(612) 560-1335
MII Owner

Cinequipt
Kevin Groves
856 Raymond Ave
St Paul, MN 55114
(612) 646-1780

Conus Communications
Jonathan Meyers
3415 University Ave
St Paul, MN 55114
(612) 642-4637
MII Owner

Gottry Advertising &
Marketing, Inc.
Rich Elsberry
10700 Normandale Blvd.
Bloomington, MN 55437-
2700
MII Owner

Grant Booker Video
Terry Grant
2406 Stevens Ave. S.
Minneapolis, MN 55404
(612) 874-7452
MII Owner

Jamieson & Associates, Inc.
Richard Jamieson
4133 West 45th Street
Minneapolis, MN 55424
(612) 920-3770

Juntunen Video
Mike Vinup
708 N. First St., Ste 131
Minneapolis, MN 55401
(612) 341-3348
MII Owner

KARE
Norm Beardsley
8811 Olson Memorial Hwy
Minneapolis, MN 55427
(612) 546-1111
MII Owner

KARE
Michael Young
PO Box 11954
St Paul MN 55111
(612) 825-4835
MII User

King Video Cable Co.
Dennis Becker
6901 Winnetka Ave. North
Brooklyn Park, MN 55428
(612) 531-4422
MII Owner

Marketing By Video
Louis Hagan
6440 Flying Cloud Dr., STE 101
Eden Prairie, MN 55344
(612) 944-3323
MII Owner

Mayo Clinic
Marvin Mitchell
Video Communications Systems
Rochester, MN 55905
(507) 284-2511
MII Owner

Miller Meester Advertising
Dan Sauard
17 N Washington Ave
Minneapolis, MN 55401
(612) 337-9120
MII Owner

Northland Insurance Companies
Charlie Stellick
1295 Northland Dr.
St. Paul, MN 55120-1146
(612) 888-4721
MII Owner

NW Airlines
Bob Brandia
5101 NW Dr., N7281
St. Paul, MN 55111
(612) 726-0355
MII Owner

On Site Environmental Services,
Inc.
Tim Lewis
11760 Justen Circle
Maple Grove, MN 55369
(612) 428-2666
MII Owner

Physics Curriculum and Instr
Dave Hilson
22585 Woodhill Dr.
Lakeville, MN 55044
MII Owner

Promotional Films and Video,
Inc.
Al Peterson
1313 Cambridge St.
Hopkins, MN 55343
(612) 935-2183
MII Owner

Tape Distributors of Minnesota
George Feiker
7630 Washington Ave.
Eden Prairie, MN 55344
(612) 947-4007

Mississippi

WJTY, Broadcasters
of MS Inc
Mike Godwin
PO Box 8887
Jackson MS 39284-8887
(601) 372-6311
MII Owner

Missouri

Fortis Benefits Insurance
Company
Gaylene Lienemann
2323 Grand Ave
Kansas City, MO 64108
(816) 881-8719
MII Owner

KPLR
Jim Wright
4935 Lindell Blvd.
St. Louis, MO 63108
(314) 454-6306
MII Owner

LSoutheast Mo State Univ
David Andrews
1 University Plaza
Cape Girardeau MO 6370
(314) 651-2257
MII User

University of Missouri Video
Network
James Gaar
301 Fine Arts Bldg
UMKC
Kansas City, MO 64110-2499
(816) 235-1096
MII Owner

Vaugh Duplication Services
Pete Leverenz
13241 Tandem Drive
Creve Coeur, MO 63146
(314) 576-6804

Montana

Eagle Communications, Inc.
C.J. Cannaliato
PO Box 5268
Missoula, MT 59806
(406) 721-2063
MII Owner

KECI-TV
Larry Arbaugh
PO 5268
Missoula, MT 59806
(406) 721-2063
MII Owner

KULR-TV
Patrick Shearer
PO Box 80810
Billings, MT 59108
(406) 656-8000
MII Owner

KUSM-TV MT State Univ.
Dean Lawver
Visual Comm Bldg
Bozeman MT 59717
(406) 994-3437
MII Owner

Maney Telefilm
Dick Maney
842 Lexington Ave
Butte, MT 59701
(406) 782-8092
MII Owner

Nebraska

Boys Town
Mark Warsoski
555 N 30th St
Omaha, NE 68131
MII Owner

BioMed Communications
Dept
Jim Prucha
2400 California St.
Omaha, NE 68178
MII Owner

Chapman & Associates
Don Chapman
1912 California St
Omaha, NE 68102
(402) 3430440
MII Owner

Creighton University
Terence Barrio
2400 California St
Omaha, NE 68178
(402) 280-2072
MII Owner

Creighton University
Chuck Lenosky
California at 24th St
Omaha, NE 68138
MII Owner

Creative Visual
Larry Homan
10135 J st.
Omaha, NE 68127
(800) 547-4184
MII Owner

Data Security Inc.
Jeff Mahoney
729 'Q' St.
Lincoln, NE 68508
(800) 225-7554
MII User

Gamer Industries
Scott McLain
4200 N 48th
Lincoln, NE 68504
(800) 228-0275
MII User

GPI Productions, Inc.
Matt Kusch, Tom Elkins, Johnnie
Travis
9140 W Dodge Rd
Suite #222
Omaha, NE 68114
(402) 392-3790
MII Owner

NTV Network
Jerry Fuerher
P.O. Box 220
Kearney, NE 68848-0220
(308) 743-2494
MII Owner

WOWT-TV
Rick Klutts
3501 Farnam
Omaha, NE 68131
(402) 346-6666
MII Owner

WOWT-TV
Robert Sandoval
3501 Farnam
Omaha, NE 68131
(402) 346-6666
MII Owner

WOWT-TV
Carl Bauman
3501 Farnam
Omaha, NE 68131
(402) 346-6666
MII Owner

Nevada

High Sierra Video Productions
Bryan Hoopes
930 Tahoe Blvd, Unit 802
Incline Village, NV 89450
(702) 831-1296
MII Owner

Markone Video
Mark Carey
220 South Rock Blvd #9
Reno, NV 89502
(702) 856-2011
MII Owner

New Hampshire

Channel One Video
Bill Channel
PO Box 1437
Seabrook, NH 03874
(603) 474-5046
MII User

Great Northern Video
Harvey Weinstein
31 Industrial Park Dr.
RFD 10
Concord, NH 03301
(603) 228-0412
Dealer

Icicle Productions
Eric Lourette
7 Hampstead Rd
Box 439
Sandown, NH 03873
MII User

Taylor & Company
Robin Taylor
13 Dartmouth College Hwy
Lyme, NH 03768
(603) 795-4100
MII User

New Jersey

AICPA
Jim Catone
Harborside Financial Center
201 Plaza 3
Jersey City, NJ 07311-3881
(201) 938-3493
MII Owner

AICPA
Will Avgenakis
Harborside Financial Center
201 Plaza 3
Jersey City, NJ 07311-3881
(201) 938-3493
MII Owner

Audio + Video Post
Tony Beswick
235 Pegasus Ave
Northvale, NJ 07647
(201) 784-2818
MII User

Avon Productions
Fred Lipowitz
123 Mahts Street
South Plainfield, NJ 07080
(908) 756-0643
MII Owner

Bell Atlantic
Corporate Television
Richard Deiss
540 Broad Street,
Room 400
Newark, NJ 07101
(201) 649-3885
MII Owner

Bottom Line Television
Mike Moran
1916 Old Cuthbert Rd.
Cherry Hill, NJ 08034
(609) 354-6060
MII Owner

Cassette Dub Inc.
Paul Ranieri
245 Livingston Street
Northvale, NJ 07647
(201) 767-7077
MII Owner

Costello Video Group, Inc.
Joe Costello
241 Molnar Dr., Suite 200
Elmwood Park, NJ 07407
(201) 791-5449
MII Owner

CNBC
Mr. M. Reitman
2200 Fletcher Ave.
Fort Lee, NJ 07024
MII Owner

CNBC
Kevin Kudatzky
2200 Fletcher Ave.
Fort Lee, NJ 07024
MII Owner

Garden State Cable TV
Martin Otensky
P.O. Box 5025
1250 Haddenfield-Berlin Rd.
Cherry Hill, NJ 08034
(609) 427-4670
MII Owner

<p>JC Productions John Cahill 352 Amsterdam Ave. Bayville, NJ 08721 (908) 269-0100 MII Owner</p> <p>Larry Cohen Productions Larry Cohen 45 Mountain Drive Wachung, NJ 07060 (908) 561-8742 MII Owner</p> <p>New Life Productions Richard Myers PO Box 5500 Millville, NJ 08332 (609) 825-3332 MII Owner</p> <p>NTelemetics Anthony Cuomo 7 Valley St Hawthorn, NJ 07506 (201) 423-0347 MII Owner</p> <p>TCI of Northern New Jersey Peter Strang-Wolf Cablecasting Department 40 Potash Rd. Oakland, NJ 07436 (201) 779-2444 MII Owner</p> <p>WJ Kronemyer Associates Bill Kronemyer 280 East Glen Ave. Ridgewood, NJ 07450 (201) 445-1919 MII Owner</p> <p>New Mexico</p> <p>CD Productions, Inc. Dale Green PO Box 2785 Corrales, NM 87048-2785 (505) 898-1544 MII Owner</p> <p>CD Productions, Inc. Cindy Barchus PO Box 2785 Corrales, NM 87048-2785 (505) 898-1544 MII Owner</p> <p>Corporate Image Video David J. Stewart P.O. Box 90801 Albuquerque, NM 87199 (505) 271-9555 MII Owner</p> <p>G.C. Video, Inc. Diane Bogle 425 Eubank Blvd, NE Suite E Albuquerque, NM 87123 (505) 293-6509 Dealer</p> <p>KGSW-TV Mark Gardner 1377 University Blvd NE Albuquerque, NM 87102 MII Owner</p> <p>New Mexico Highlands Univ. Drake Bingham Communication Arts Bldg Las Vegas, NM 87701 (505) 454-3353 MII Owner</p> <p>New Mexico Technical Institute Paul Hoffman Geoscience Dept. Socorro, NM 87801-4796 (505) 835-5108 MII Owner</p> <p>OnTrack Inc. Cy Leland Box 3188 HS Ruidoso, NM 88345 (505) 378-8030 MII Owner</p>	<p>Sandia National Labs Jim Lloyd Organization 7153 P.O. Box 5800 Albuquerque, NM 87185 (505) 844-3867 MII Owner</p> <p>Troxell Terry Hixson 2730 San Pedro, NE Albuquerque, NM 87110 Dealer</p> <p>Vista Media, Inc. Charles Johnson P.O. Box 14392 Albuquerque, NM 87191 (505) 298-0004 MII User</p> <p>New York</p> <p>A-I Videography Bill Tucker 1796 Devendorf Rd. Schenectady, NY 12303-2640 (518) 356-0334 MII User</p> <p>Allen AME Church Gary Fulmore 1100-54 Merick Blvd Queens, NY 11432 (718) 526-3510 MII User</p> <p>All Pro Sid Rubinstein 124 W. 60th St., Suite 51F New York, NY 10023 (212) 582-4611 MII Owner</p> <p>All Pro Nathan Bacher 124 W. 60th St., Suite 20B New York, NY 10023 (212) 489-5780 MII Owner</p> <p>Bausch & Lomb Terry Shaw 1400 N. Goodman St. Rochester, NY 14692 (716) 338-8779 MII Owner</p> <p>BCS Walter Druker 460 W. 34th Street New York, NY 10001 (212) 268-8800 Supplier</p> <p>Bennu Productions, Inc. Wayne Keeley 626 McLean Ave. Yonkers, NY 10705 (914) 964-1828 MII Owner</p> <p>Bravo Studio Michael Shkolnikov 2055 E 57th St Brooklyn, NY 11234 (718) 377-4411 MII User</p> <p>Broadcast Video Productions Jack Miller 480 Main Street Armonk, NY 10504 (914) 592-4151 MII Owner</p> <p>Broadcast Video Productions Bill Cohen 27 Ricky Rd Ronkonkoma NY 11779 (516) 467-7551 MII User</p> <p>Bronx Community College Prof. Donald Canty West 181st St. & University Ave Bronx, NY 10453 (718) 220-6179 MII Owner</p> <p>Coarc Video Edward Helfer Jr. PO Box 2, Rt 217 Mellenville, NY 12544 (800) 888-4451 Supplier</p> <p>Steve Crispiano 1864 64th St Brooklyn, NY 11204 (718) 232-1852 MII User/Service</p> <p>The Creators Richard DePaso 41 Skytop Drive Pleasantville, NY 10507 (914) 709-0676 MII Owner</p> <p>Elite Video Production Kelman Zeines 1612 E. 14th St Brooklyn, NY 11229 (718) 627-0499 MII Owner</p> <p>Euro Video Productions Carl Holman #9 Hazen Ln Carmel, NY 10512 (800) 486-2275 MII Owner</p> <p>Greater Rochester Cable Harry Goldberg 71 Mount Hope Ave Rochester, NY 14620 (716) 325-1111 MII Owner</p> <p>HAVE, Inc. Paul Swendenburg 309 Power Ave. Hudson, NY 12534 (518) 828-2000 MII Owner/Supplier</p> <p>Heritage Broadcasting of NY Sargent Cathall 815 Central Ave Albany, NY 12206 (516) 438-8700 MII Owner</p> <p>Herkimer County Community College Bob Schultz Reservoir Rd Herkimer, NY 13350 (315) 866-0300x238 MII Owner</p> <p>Henry Joerz, Jr 7230 73rd St Glen Dale, NY 11385 MII User</p> <p>HITN Jose Rodriguez 449 Broadway 13 New York, NY 10013 MII Owner</p> <p>IBM East Fishkill Joseph Chin Rt 52 Dept-31U, zip 22A Hopewell Junction, NY 12533 (914) 894-8464 MII Owner</p> <p>Locke Productions Christopher Johnson 14336 Oak Ave Flushing, NY 11355 MII User</p> <p>Manhattan Cable TV Dean Adrian 120 E 23rd St New York, NY 10010 (212) 598-7278 MII Owner</p> <p>Manhattan Cable TV Fred Ciccone 120 E 23rd St New York, NY 10010 (212) 598-7269 MII Owner</p>	<p>Manhattan Cable TV James Oakes 120 E 23rd St New York, NY 10010 (212) 598-1787 MII Owner</p> <p>Moyses & Associates, Inc Claude Moyses PO Box 491 Altamont, NY 12009 (518) 861-5663 MII Owner</p> <p>Nassau County Police (VISCOM) Benjamin Hornenick 1490 Franklin Ave. Mineola, NY 11501 (516) 573-7013 MII Owner</p> <p>NBC News Mark Chomut 30 Rockefeller Plaza, RM 737 New York, NY 10120 (212) 664-5888 MII Owner</p> <p>NBC News Joe Marrone 30 Rockefeller Plaza, RM 737 New York, NY 10120 (212) 664-5888 MII Owner</p> <p>NBC Bill Sacrey 30 Rockefeller Plaza Rm 1210W New York, NY 10112 (212) 664-7140 MII Owner</p> <p>NBC News Mel Weidner 30 Rockefeller Plaza, RM 807 New York, NY 10112 (212) 664-6118 MII Owner</p> <p>New York City Sanitation Department Mike Barbarotto Audio Visual Services Unit PO Box 213 Maspeh (Queens), NY 11378 (718) 334-9217 MII Owner</p> <p>New York Telephone William Basciano 1095 Avenue of the Americas, Rm 1600 New York, NY 10036 (212) 395-0111 MII Owner</p> <p>Northstar Television Group Mark Olkowski 405 Lexington Ave, 54th Floor New York, NY 10174 MII User</p> <p>PCI Recording Service Ted Hummel 737 Atlantic Ave. Rochester, NY 14609 (716) 288-5620 MII User</p> <p>Vertex Video Group Steven Zacharoff 1680 Bedford Ave. #22D Brooklyn, NY 11225 (718) 756-0438 MII Owner</p> <p>Video Keepsakes Doris Blachut 85 Oliver Ave Valley Stream, NY 11580 (516) 285-7146 MII Owner</p> <p>Video Life Productions Jack O'Brien 13 Canterbury Drive Middletown, NY 10940 Ph (914) 342-1239 Fax (914) 341-0005</p>	<p>Vidipex Jim Lindner PO Box 2 Eldred NY 12732 (914) 557-3600 MII User</p> <p>Warner Advertising Brian Warner 150 N. Winton Road Rochester, NY 14610 (716) 654-6710 MII Owner</p> <p>WPIX Bob Murch 222 42nd St New York, NY 10017 (212) 210-2552 MII User</p> <p>WXXA-TV Sargent Cathall 815 Central Ave Albany, NY 12206 (518) 438-8700 MII Owner</p> <p>North Carolina</p> <p>A&T State University Arthur D. Selby Greensboro, NC 27406 MII User</p> <p>Camp Lejeune Dept. Schools Mirjam Bohnet Camp Lejeune, NC 28542 MII User</p> <p>Christian Faith Center Willie Hodges PO Box 100 Creedmoor, NC 27522 (919) 528-1580 MII Owner</p> <p>Dream Keepers Intl Greg Davis PO Box 2128 Morehead City NC 28557 (919) 726-4888 MII User</p> <p>Knapp & Assoc., Inc. Ken Knapp 116 E Gordon St. Kinston, NC 28501 (919) 527-2284</p> <p>Lowe's Companies, Inc. Bill Hurd PO Box 1111 North Wilkesboro, NC 28659 (919) 651-4933 MII Owner</p> <p>Marine Graphics Bill Lovin Box 2242 Chapel Hill, NC 27515 (919) 362-8867 MII Owner</p> <p>Mobile Television Productions Robert Warren 2121 Middle Road Fayetteville, NC 28301 (919) 483-4777 MII Owner</p> <p>Pumpkin Creek Video Production Harold Ferguson 520 Coffee Ave North Wilkesboro, NC 28659 (919) 667-7717 (MII Owner)</p> <p>Sam Lee Direct Walter Orschwa 470 Hanes Mill Rd Winston-Salem, NC 27105 (919) 519-7138 MII Owner</p> <p>Southern Video Corp. Louis Asbury 1016 S. Church St Charlotte, NC 28203 (704) 333-5454 MII Owner</p>	<p>Southern Video Corp. Gary Killough 1016 S. Church St Charlotte, NC 28203 (704) 333-5454 MII Owner</p> <p>State of North Carolina Agency for Public Telecommunications Richard Danchi 116 West Jones Street Raleigh, NC 27603-8003 (919) 733-6341 MII Owner</p> <p>Target Television Don Kirk 1001 S Marshall St Winston-Salem, NC 27101 MII Owner</p> <p>TeleFox Bill Hitchcock PO Box 2069 Moorehead, NC 28557 (919) 240-7340 MII Owner</p> <p>The Video Production Company of America H. Walter Knox PO Box 1887 Wilmington, NC 28402-1887 (910) 815-0509 MII Owner</p> <p>Video Perception Rick Hall 1016 S Church St Charlotte, NC 28203 (704) 358-0900 MII Owner</p> <p>WECT Wayne Tiner 322 Shipyard Blvd Wilmington, NC 28401 (919) 791-8070 MII Owner</p> <p>WFXI-TV Gordon Becton PO Box 2069 Moorehead, NC 28557 (919) 240-0888 MII Owner</p> <p>WJZY Ed McKay PO Box 668400 Charlotte, NC 28266-8400 (704) 398-0046 MII Owner</p> <p>WRAL Al Dumber 2619 Western Blvd Raleigh, NC 27606 (919) 821-8564 MII Owner</p> <p>North Dakota</p> <p>UND Aerospace John Ness PO Box 8009 Grand Forks, ND 58202-8009 (701) 777-4722 MII Owner</p> <p>WDAY-TV Joel Agenes 301 8th Street So. Fargo, ND 58103 (701) 237-6500 MII Owner</p> <p>Ohio</p> <p>Advanced Video Jeff Costa 1312 Wise Dr Miamisburg, OH 45342 (513) 461-6800 MII Owner</p> <p>ALLTEL Service Corporation Kenneth C. Nelson 2000 Highland Road Twinsburg, OH 44087 (216) 963-1862 MII Owner</p> <p>B Squadron Video Russ Beckner 2100 Heatherwood Ct Middletown, OH 45042 (513) 422-9552 MII Owner</p> <p>Jeff Chambers 4156 Little York Rd Dayton, OH 45414 (513) 690-8797 MII Owner</p> <p>Classic Video Dave Gnaven 5001 E. Royalton Rd Cleveland, OH 44147 (216) 838-5377 MII Owner</p> <p>Curtis, Inc. Dan Kerr 2025 Reading Rd. Suite 130 Cincinnati, OH 45202 800-733-2878 MII Owner</p> <p>Horizon Production, Inc. Bill Jacobs 2321 Kemper Ln Cincinnati, OH 45206 (513) 559-0550 MII Owner</p> <p>Image Video Teleproduction Mike Tonges 6755 Freedom Ave, NW North Canton, OH 44720 (216) 494-9303 MII Owner</p> <p>Inf1 Video Center Fadi Kdayssi 2528 Edgemoor Rd Cleveland Heights, OH 44106 (216) 321-1440 MII Owner</p> <p>Mission Video Support Paul Klouda 10011A State Rt. 88 Garrettsville, OH 44231 (216) 527-2182 MII Owner</p> <p>Mission Video Support Vince Sisson 10011 State Rt. 88 Garrettsville, OH 44231 (216) 527-2182 MII Owner</p> <p>Nordson Corporation Thomas Birns 555 Jackson Street Amherst, OH 44001 (216) 988-9411x4540 MII Owner</p> <p>Riverside Film & TV Productions Rob Richardson, Jr. PO Box 543 Marietta, OH 45750 (614) 373-0861 MII Owner</p> <p>RPC Video Bob Ring 6777 Engle Road, Ste D Middleburg Heights, OH 44130 (216) 891-9797 Dealer</p> <p>RPC Video Ron Caird 6777 Engle Road, Ste D Middleburg Heights, OH 44130 (216) 891-9797 Dealer</p> <p>Stanley Steamer Intl Steve Whitley 5500 Stanley Steamer Pkwy Dublin, OH 43017 (614) 764-2007x553 MII User</p> <p>Telxon Kevin Gatewood 91 Springdale Drive Akron, OH 44313 (216) 666-4300 MII Owner</p>
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<p>TW Teleproductions, Inc. Tom Whaley 514 Penn. Ave Sandusky, OH 44870 (419)621-0602 MII Owner</p> <p>Vanguard Productions Jerry Beck 7020 Huntley Rd Columbus, OH 43229 (614) 436-4610 MII Owner</p> <p>Video Duplication Services Pete Stock PO Box 18337 Columbus, OH 43218 (800) 289-4301 MII Owner</p> <p>WAKC-TV Earl Miller 853 Copley Rd Akron, OH 44320 (216) 535-7831 MII Owner</p> <p>WBNX-TV Bill Cogger 2690 State Rd Cuyahoga Falls, OH 44221 (216) 920-1019 MII Owner</p> <p>WEWS-TV Ed Miller 3001 Euclid Ave. Cleveland, OH 44115 (216) 431-3687 MII Owner</p> <p>WGBU-TV Bill Leutz Bowling Green Univ. 245 Troup St Bowling Green, OH 43403 MII Owner</p> <p>WGTE-TV Dan Nieozwiecki 136 Huron St Toledo OH 43697 (419)243-3091 MII User</p> <p>WHIZ-TV Elmer Hartmeyer 629 Downard Rd. Zanesville, OH 43701 (614) 453-5431 MII Owner</p> <p>Wiegand Audio/Video Labs Charles Wiegand 7758 Lafayette Rd, NW Newark, OH 43055 (614) 967-0059 Supplier</p> <p>WKYC-TV Rex Rickly 1403 E. 6th St. Cleveland, OH 44114 (216) 344-3333 MII Owner</p> <p>WNED-TV Alan Creed 13870 Salem Alliance Rd Salem, OH 44460 (216) 337-3755 MII Owner</p> <p>WTTE Russ Tschimpke 6130 Sunbury Rd. Westerville, OH 43081 (614) 895-2800 MII Owner</p> <p>Oklahoma</p> <p>Barrister Studios Phil Atkinson 4305 S Mingo Ste A Tulsa, OK 74146 (918)663-7700 MII Owner</p> <p>BCD Assoc. RM Howard 7510 N. Broadway Oklahoma City, OK 73116 Manuf.</p>	<p>KJRH Vic Turner 3701 S. Peoria St Tulsa, OK 74105 (918) 743-2222 MII Owner</p> <p>Teleproduction Unlimited Frank Laughlin 5820 South 129th East Ave Tulsa, OK 74134-6705 (918) 252-2909 MII Owner</p> <p>ViaGrafix Jamie Dotson 5 South Vann Pryor, OK 74361 (918) 825-6700 MII Owner</p> <p>Oregon</p> <p>Columbia Cable of OR Jim DeChant 14200 SW Brigadoon Ct. Beaverton, OR 97005 (503) 644-3188 MII Owner</p> <p>Fishing the West Kerry Brown 5484 SE International Way Milwaukie, OR 97222 (503) 654-0092 MII Owner</p> <p>Hultman Media Services Gary Hultman 300 Limpy Creek Road Grants Pass, OR 97527 (503) 474-6466 MII User</p> <p>Hyssop Production Peter Schaefer P.O. Box 1672 Coos Bay, OR 97420 (503) 267-7120 MII User</p> <p>KBSP-Blackstar Tim Mance 4923 Indian School Rd, NE Salem, OR 97305 (503) 390-2202 MII Owner</p> <p>KMTR-TV Kurt Thelen 3825 International Court Springfield, OR 97477 (503) 746-1600 MII Owner</p> <p>Living Enrichment Center 29500 S.W. Graham's Ferry Wilsonville, OR 97070 (503) 682-4262 MII Owner</p> <p>Portland Public Schools Jim Kunze Television Services 5210 N. Kerby St Portland, OR 97217 (503) 280-5838 MII Owner</p> <p>Psychological Research Foundation Loren Parks 19460 SW Shaw Aloha, OR 97007 (503)649-7007 MII Owner</p> <p>TekniFilm/Vaughn Jody McNamer 1434 NW 17th Ave. Portland, OR 97209 (503)224-3835 MII Owner</p> <p>TELETEK Video Judy & Virgil Sipes 19275 SW Tualasum Dr Tualatin, OR 97062 (503)638-5035 MII Owner</p> <p>Pennsylvania</p> <p>Action Duplication Craig Kuptisow 555 North Lane, Suite 5075 Conshocken, PA 19428 (610) 828-7580 800-VHS-DUBS MII Owner</p>	<p>Arco Chemical Chris Myers 3801 Westchester Pike Newtown Square, PA 19073 (215) 359-2746 MII Owner</p> <p>Ascension Video Jim Boda 48 A St. Northumberland, PA 17857 (717) 473-9733 MII Owner</p> <p>Barlieb Wallace Heilman Productions Pamela Wallace 1680 Mine Site Rd Allentown, PA 18103 (215)395-7176 MII Owner</p> <p>Bell Atlantic Morris Hawk 1 Parkway, 2nd Floor Philadelphia, PA 19102 (215) 466-3896 MII Owner</p> <p>CamCast Cable Jim Enix 11400 NE Ave Philadelphia, PA 19116 (215)961-3813 MII Owner</p> <p>Comtel Instruments Sandy Riscoe #9 Parkway Ctr Ste 180 Pittsburgh, PA 15220 (412)922-5720 Tape Supplier</p> <p>Comerstone TV VTR Maintenance Dept. Signal Hill Dr Wall, PA 15148 (412) 824-3930 MII Owner</p> <p>Erik Ciel Videotaping 1102 Denise Circle Phoenixville, PA 19460-1815 (215)933-3380 MII User</p> <p>Grove World-Wide Brad Gentile 1565 Buchanan Trail East Shady Grove, PA 17256 (717) 397-8121</p> <p>John McKee Productions, Inc. John McKee 1111 Fawcett St. White Oak, PA 15131 (412) 664-7583 MII Owner</p> <p>Mine Safety Appliance Co. Josh Bayer PO Box 426 Pittsburgh, PA 15230 (412) 967-3198 MII Owner</p> <p>PBTS Jim Holzel 310 Sawmill Lane Hornham, PA 19044 (215) 956-9827</p> <p>Pittsburgh Televideo Inc. Kurt G. Hess 1738 N. Highland Rd. Suite 103 Pittsburgh, PA 15241 (412) 833-6370 MII Owner</p> <p>Reel Video Productions Mark Johnson 300 Roosevelt Ave Holidaysburg, PA 16648 (814)695-8054 MII Owner</p> <p>St. Margarets Hospital Rich Moore 815 Freepoint Rd. Pittsburgh, PA 15215 (412)784-5252 MII Owner</p> <p>Time Warner Cable, Johnstown Jamie Reesman 120 Southmont Blvd. Johnstown PA 15905 (814) 535-6551 MII User</p>	<p>Video Spectrum Wayne Stephany 630 Hedgewick Dr Lancaster, PA 17603 (717) 394-4042 MII Owner</p> <p>WICU-TV Vincent Ugoletti 3514 State St. Erie, PA 16508 (814) 454-5201 MII Owner</p> <p>WHYY John Collins 150 N. 6th. Street Philadelphia, PA 19106 (215) 351-1274 MII Owner</p> <p>WJAC Rob Abele 1949 Hickory Ln Johnstown, PA 15905 (814) 255-7625 MII Owner</p> <p>WPGH-TV John Getz 750 Ivory Ave Pittsburgh, PA 15214 (412) 931-8141 MII Owner</p> <p>WPTT-TV Chief Engineer PO Box 2809 Pittsburgh, PA 15230 (412)856-9010 MII Owner</p> <p>Rhode Island</p> <p>Colony Cable Dave Ribblett 169 Weybosset Street Providence, RI 02901-0969 (401)277-7852 MII Owner</p> <p>Heritage Cable Joe Stafford PO Box 518 Lincoln, RI 02865 (401) 765-6652 MII Owner</p> <p>Logeographics Maria Houde PO Box 23535 Providence, RI 02903 MII User</p> <p>Mark Gordon 145 Hill Side Ave Providence, RI 02914 (401) 273-0412 MII Owner</p> <p>Narragansett TV William Hague 25 Catawore Blvd E Providence, RI 02920 (401)438-3317 MII Owner</p> <p>WPRI Jim Costa 25 Catamore Blvd E Providence, RI 02914 (401) 438-7200 MII Owner</p> <p>WPRI TV-12 William Hague 25 Catamore Blvd E Providence, RI 02914 (401) 438-7200 MII Owner</p> <p>South Carolina</p> <p>Action Video Productions Tommy Cabaniss 9 E. Parkins Mill Rd Greenville, SC 29607 (803)297-8865 MII Owner</p> <p>Cable Ad Connection Dave Rodney PO Box 746 Johns Island, SC 29457 MII User</p>	<p>Greenville Technical College Don Massey PO Box 5616 Greenville, SC 29606-5616 (717) 394-4042 MII Owner</p> <p>Greenville Technical College Steve Godsey PO Box 5616 Greenville, SC 29606-5616 (803) 250-8436 MII Owner</p> <p>Motion Pictures Inc Bruce Coy 554 Johnnie Dodds Blvd Mt. Pleasant, SC 29464 (803)881-9997 MII Owner</p> <p>Ron Shecut 3404 Keenan Dr Columbia, SC 29201 (803)765-2299 MII User</p> <p>Walton Productions Stan Walton 158 Cannondale Rd. Columbia, SC 29210 (803) 356-4880 MII Owner</p> <p>WBTW Doug Crall 3430 TV Road Florence, SC 29501 (803) 662-1565 MII Owner</p> <p>South Dakota</p> <p>KSFY Doug Loos 300 N. Dakota Ave, Suite 1000 Sioux Falls, SD 57102 (605) 336-1300 MII Owner</p> <p>KSFY Eugene Schultz 300 N. Dakota Ave, Suite 1000 Sioux Falls, SD 57102 (605) 336-1300 MII Owner</p> <p>Prism Video Services, Inc. Thomas & Janice Jeans P.O. Box 8384 Rapid City, SD 57709 (605) 399-9391 MII Owner</p> <p>South Dakota Public Broadcasting Mike Johnson PO Box 5000 Vermillion, SD 57069 (605)677-5861 MII Owner</p> <p>South Dakota Public TV Kelly Watson PO Box 22188 Brookings, SD 57007-2399 (605)688-4191 MII Owner</p> <p>Tennessee</p> <p>Allied Communications Corp. Mark Conrad PO Box 101482 Nashville, TN 37224-1482 (615)391-5500 MII Owner</p> <p>City Productions Inc. Cole Smith & Dale Eaton 65 Union Ave. Ste 360 Memphis, TN 38103 (901)525-4712 MII Owner</p> <p>Linden Communication Group Michael Stevenson 17 W. Pontotoc Suite 207 Memphis, TN 38103 (901) 523-0506 MII User</p> <p>Miles & Associates John Miles 755 Broad St NW Cleveland, TN 37311 MII Owner</p>	<p>McKee Foods Corp. Tom Hunter, Mgr. AV Division 10260 McKee Rd Box 750 Collegedale, TN 37315 (615)238-7111 x2382 MII Owner</p> <p>Shop At Home Network Dennis Wilson P.o. BOX 12600 Knoxville, TN 37012-0600 (615) 688-0300 MII Owner</p> <p>Video Ideas 4762 Highway 58 Suite G Chattanooga, TN 37416 (615) 894-2677 MII Owner</p> <p>WMC-TV Mike Schwartz 1960 Union Ave. Memphis, TN 38104 (901) 726-0555 MII Owner</p> <p>WMC-TV Michael Redfearn 1960 Union Ave. Memphis, TN 38104 (901) 726-0555 MII Owner</p> <p>World Class Productions Frank Weeks 1300 East 9th Ave Johnson City, TN 37601 (615)928-5753 MII Owner</p> <p>WZTV Ed Murlatt 631 Mainstream Dr Nashville TN 37228 (615) 244-1717 MII User</p> <p>Texas</p> <p>Accelerated Christian Education Don Gray 2600 Ace Lane Lewisville, TX 75067 (214) 315-1776 MII Owner</p> <p>Accelerated Christian Education Vincent Smith 2600 Ace Lane Lewisville, TX 75067 (214) 315-1776 MII Owner</p> <p>A.C.E. School of Tomorrow Barry Bridges PO Box 1438 Lewisville, TX 75067-1438 MII Owner</p> <p>Christian Video Ministries Jerry D. Dunson HCR 2, Box 530 Beeville, TX 78102 (512) 358-3416 MII Owner</p> <p>CompuTrac, Inc. Roger Young 222 Municiple Dr. Richardson, TX 75080-3583 (214) 234-3888 MII Owner</p> <p>Design Comm Group Michael Walters PO Box 1956 Forney, TX 75126-1956 (512) 575-4952 MII User</p> <p>Envision Multimedia a Barnhart Enterprise, Inc. Keith Rogers 9337-B Katy Freeway Suite 308 Houston, TX 77024 (713) 690 6545 MII Owner</p> <p>Foley's Video Dept. Steve Hemphill Video Dept 1100 Main St Houston, TX 77002 (713) 651-7153 MII Owner</p>	<p>Fuji Photo Film Bob Sullivan 1628 West Crosby Road Suite 100 Carrollton, TX 75006 (214) 466-9200 Manuf.</p> <p>Industrial Audio Video Travis Franklin 2617 Bissonnet Houston, TX 77005 (713) 535-2375 Service & Duplication</p> <p>ISDL Priya Dasi 400 Barsana Rd Austin, TX 78737 (512) 288-7180 MII Owner</p> <p>J Darrell Kirkley Inc. Darrell Kirkley 1515 Viceroy Drive Dallas, TX 75235 (214) 243-0013 MII Owner</p> <p>Don Brown Productions Neil Stewart 1100 Nasa Road 1 Suite 406 Houston, TX 77058 Ph (713) 333-1523 Fax (713) 335-7816 MII Owner</p> <p>KCN-TV Ken Smith PO Box 6103 Temple, TX 76503 (817)773-6868 MII Owner/Repair Center</p> <p>KTAB-TV Leland Ohlhausen PO Box 5309 Abilene TX 79608 (915)695-2777 MII Owner</p> <p>KTSM-TV Gregg Davison 801 N. Oregon St. El Paso, TX 79902 (915) 532-5421 MII Owner</p> <p>KTSM-TV Rick Vilardell 801 N. Oregon St. El Paso, TX 79902 (915) 532-5421 MII Owner</p> <p>KXTX-TV Harold Nash 3900 Harry Hines Blvd Dallas TX 75219 (214)521-3900 MII User</p> <p>KXXV Jerry Copeland PO Box 2522 Waco, TX 76702 (817) 754-2525 MII Owner</p> <p>KXXV Lou Strowger PO Box 2522 Waco, TX 76702 (817) 754-2525 MII Owner</p> <p>Light Ministries Charlene Collins PO Box 670167 Houston, TX 77067 (713)875-4448 MII Owner</p> <p>Pecan Video Dan Cary 2254 Ravenwood Rd Granbury, TX 76048 (817) 573-6800 MII Owner</p>
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Project Video
Gary Brewton
PO Box 5850
Beaumont, TX 77726
MII User

Pro Line Video
Jim McConnell
2601 McHale Ct. #140
Austin, TX 78758
(512)837-2000
MII Owner

Pro Line Video
Terry Nixon
2601 McHale Ct. #140
Austin, TX 78758
(512)837-2000 x22
MII Owner

Pro Line Video Skip
Holcombe
4778 Research Dr.
San Antonio, TX 78240
(512)690-1234
MII Owner

Siam Satellite-TV
Mandorini Kattija Ari
7306 Logging Tr
Humble, TX 77346
MII User

South Plains College
Billy Alonzo
1401 South College Ave
Levelland, TX 79336
(806)894-9611
MII User

Stillpoint Productions
Robert Castaldo
706 W. Main St
Arlington, TX 76013
MII User

Technological
Innovations, Inc.
Dr. David Ramirez
110 Broadway, Suite 490
San Antonio, TX 78205
(201) 299-1883
MII Owner

Texas A & M University
Bob Matney
Video Lab
Kyle Field
College Station, TX
MII Owner

Texas Department of
Public Safety
Gene Henderson
Media Production Unit
PO Box 4087
Austin, TX 78773-0001
(512)465-2217
MII Owner

Texas Education Agency
Ernesto Mejia
1701 N Congress Ave
Austin, TX 78701-1494
(512)463-9054
MII Owner

The University of Texas
Health Science Center
Sam Denton
Television Production
Services
7703 Floyd Curl Dr
San Antonio, TX 78284
(512) 567-2220
MII Owner

The University of Texas
Sports
Mike Arias
Belmont Hall
RM 224C
Austin, TX 78713
(512)471-6826
MII Owner

VenaVision Productions,
Inc. Kevin Echols
First Texas Bldg.
901 Indiana Ave., #395
Wichita Falls, TX 76301
(817) 322-9205
MII Owner

The Video Eye
Bob Fitch
10960 Millridge Dr., N.
#103
Houston, TX 77070
(713) 890-8364
MII User

Vietnam Vision
David Pham
10500 Richmond Ste 150
Houston, TX 77042
(713) 780-0533
MII Owner

Utah

Bosworth Comms, Inc.
Norman Bosworth
421 South 400 East
Salt Lake City, UT 84111
(801) 355-8585
MII Owner

Brigham Young University
Roger Gunn
Communication Dept
Provo, UT 84602
MII Owner

DCE Marketing
Kenneth Foster
University of Utah
2167 Annex Bldg
Salt Lake City, UT 84112
(801) 581-5588
MII Owner

DCE Marketing
Toni Smith
University of Utah
2167 Annex Bldg
Salt Lake City, UT 84112
(801) 581-5588
MII Owner

Doug Fawkes
1545 South 990 West
Provo, UT 84601
MII Owner

KBYU-TV
Lynn Edwards
C-302 HFAC BYU
Provo, UT 84602
(801)378-3551
MII Owner

KBYU-TV
Bob Gillman
C-302 HFAC BYU
Provo, UT 84602
(801)378-3551
MII Owner

LDS AV
Peter Unwin
A/V Dept.
30 East North Temple
Salt Lake City, UT 84150
MII Owner

Options, Inc.
Gary Denise
970 East 3300 South, Suite
3
Salt Lake City, UT 84106
(801) 467-7421
MII Owner

Scott Nelson Productions
Scott Nelson
5006 S. Fairbrook
Holladay, UT 84117
(801) 272-5428
MII Owner

The Studio
Russ Ralysa
342 W. 200 S.
Salt Lake City, UT 84101
(801)595-8800
MII Owner

The Valley Channel
Earl Rouse
426 N 400 E
Logan, UT 84321
(801)752-7537
MII User

Utah Valley Community
College
Tom Nelson
800 West 1200 South
Orem, Utah 84058
MII Owner

Video Lines
Dennis Lisonbee
267 S. Mountainland
Orem, UT 84058
(801) 226-0344
MII Owner

Video Reflections
David Andrews
6086 Fontainebleu
Salt Lake City, UT 84121
(801) 272-3031
MII Owner

Video Works Television
Johan Boss
15 East 10200 South
Sandy, UT 84070
(801) 565-8754
MII User

Word Perfect Corp.
Steve McCurdy
1555 N. Technology Way
Orem, UT 84057
(801) 228-4916
MII Owner

Word Perfect Corp.
Todd Mortensen
1555 N. Technology Way
Mail Stop K1100
Orem, UT 84057
(801) 228-4900
MII Owner

Vermont

Iris Multimedia
Robert Logsdan
PO Box 726
Burlington, VT 05402
(802) 865-9560
MII User

Virginia

2PM Multimedia
Jim Wine
P.O. Box 2
Linden, VA 22642
(703) 636-4142
MII Owner

American Management Systems
Michael J. Palmer
4050 Legato Rd.
Fairfax, VA 22033
(703) 267-8600
MII Owner

AMPROD Inc.
Ken Santucci
9501 Atwood Rd.
Vienna, VA 22182
(703) 759-7200
MII Owner

Applied Computer Techniques
Christopher Moberg
1800 Diagonal Rd
Suite 600
Alexandria, VA 22314
(703) 684-3125
MII Owner

AVS
Franklin Caxington
3330 Bourbon St.
Fredericksburg, VA 22408
(703) 371-8324
MII Owner

Henry Boisvert
4225 N. Henderson Rd
Arlington, VA 22203
MII User

Bon Avenue Video
Communications
David Jennings
3329-B Bourbon
Fredericksburg, VA 22408
(703) 372-3526

Carlson Health System
Rosenko Memorial Hospital
Edward Hamilton
Audio/Visual Ed
PO Box 13367
Rosenko, Va 24033
(703) 981-8975
MII Owner

Commonwealth Film Inc
Rodney Ashbridge
1500 Brook Rd
Richmond, VA 23220
(804)649-8611
MII Owner

Creative Teleproductions
Bruce Braun
61 Arrowhead Drive
Lynchburg, VA 24502 (804)239-
3752
MII Owner

Department of Justice
Dale Linden
Bldg 27958A
Quantico, VA 22135
MII Owner

Department of Justice
Noel Harold
Bldg 27958A
Quantico, VA 22135
MII Owner

Empire Video
Robert Rositzke
7406 Alban Station
Sta. A-118
Springfield, VA 22150
(703)866-1934
MII User

Evening Productions
Victoria Eves
PO Box 2065
Falls Church, VA 22042
MII User

Gerco Communications
Rolando Gerco
PO Box 3262
Reston, VA 22090
MII User

Gardy-McGrath (Intl) Inc.
Dave Gardy
1950 Roland Clarke Pl.
Suite 100
Reston, VA 22091
(703) 620-6000
MII Owner

George Mason University
Susan Kehoe
4400 Univ. Drive, MS IF3
TV Studio
Fairfax, VA 22030-4444
(703) 993-3110
MII Owner

Gingerbread Productions
Leslie Quigley
1323 Shepherd Dr.
Stafford, VA 22170
(703)450-7722

C. Mark Quentner
7529 McWhorter Pl.#303
Annandale, VA 22003
(703) 941-6943
MII User

Health S. Medical Center
Chris Wheeler
7700 Parham Rd.
Richmond, VA 23294
(804) 527-5960
MII Owner

Orthopaedic Research of VA
Chris Wheeler
7600 Parham Rd.
Richmond, VA 23294
(804) 527-5960
MII Owner

Park Avenue Teleproductions
David Trownsell
3500 Maryland Ct
Richmond, VA 23233
MII Owner

Petrel Publishing
Gene Bjerkic
312 Carry at
Williamsburg, VA 23185
(804)229-7667
MII User

Philip Morris USA
Jeff Bigham
P.O. Box 26603
Richmond, VA 23261
(804) 274-3721
MII Owner

Public Broadcasting Service
Mark Richer
1320 Braddock Place
Alexandria, VA 22314
(703) 739-5471
MII Owner

Public Broadcasting Service
Larry Jefferson
1320 Braddock Place
Alexandria, VA 22314
(703) 739-5204
MII Owner

Public Broadcasting Service
Keith Ellsworth
1320 Braddock Place
Alexandria, VA 22314
(703) 739-5302
MII Owner

Reed Film & Video
Lloyd Reed
9493A Silver King Ct
Fairfax, VA 22031
(703) 385-5830
MII Owner

Russell & Associates
Sam Russell
P.O. Box 877
Marion, VA 24354
(703) 783-2251
MII User

Sallie Mae
Charlie Hite
200 Fairbrook Dr
Hampton, VA 22070
(703) 834-5737
MII Owner

Signet Bank
Mike Blacker
Video Department
11013 W. Broad St. Rd.
Glen Allen, VA 23060
(804) 0747-2064
MII Owner

Southwest Virginia Community
College
Kevin Rooney
P.O. Box SVCC
Richlands, VA 24641
(703) 964-2555 x552
MII Owner

Thomas Communications
William Aylward
2550 Huntington Ave
Suite 205
Alexandria, VA
(703)329-0102
MII User

Ultra-Sound A/V
Matt Bright
10108 Timberlake Rd
Lynchburg, VA 24502
(804)237-4549
MII Owner

Union Theological Seminary
John Coffman
Media Services Dept.
3401 Brook Rd
Richmond, VA 23227
(804)278-4330
MII Owner

Video Services, Inc.
Jim Howell
8604 Staples Mill Rd., #104
Richmond, VA 23228
(804) 261-9304
Repair

Virginia Baptist Board
Glenn Stading
P.O. Box 8568
Richmond, VA 23226
(804) 672-2100
MII Owner

The Whitlock Group
Kevin Thompson
230 Clearhead, Suite 103
Norfolk, VA 23462
(804) 622-2006
Dealer

WRLH-TV
Eldon Brown
1925 Westmoreland St
Richmond, VA 23230
MII Owner

WVPT-TV
John Hodges
298 Port Republic Rd
Harrisonburg, VA 22801
(703)434-5391
MII Owner

Zack Burkett Productions
Zack Burkett
14162 Marquis Rd
Unionville, VA 22567
(703) 854-6502
MII User

Zion Systems
Richard Hiett
1361 Lincolnshire Dr.
Harrisonburg, VA 22801
(703) 433-7700
MII User

Washington

Blue Mountain Broadcasting
Lynelle Childs
PO Box 205
College Place, WA 99324
(509) 529-9149
MII User

Bristol Productions
Karl Schmidt
2401 Bristol Court SW
Olympia, WA 98502
(206) 754-4260
MII Owner

Digital Reality
Paulo DeAndrade
13800 SE 79th Dr.
Renton, WA 98059-3200
(206) 227-5783
MII Owner

KEPR
Don Eckis
PO Box 2648
Tri-Cities, WA 99302
(509)547-0547
MII Owner

KHQ
Tom Cohrs
P.O. Box 8088
Spokane, WA 99203
(509) 448-4600
MII Owner

Kostov & Assoc. Multimedia
Michael Kostov
24206 89 Pl. W
Edmonds, WA 98026
(206)285-2797
MII Owner

Krmer Video
Tom Krmer
PO Box 22446
Seattle, WA 98122
(206) 322-6555
MII Owner

KWSU Radio/TV Services
John Gray
382 Murrow Center
Washington State University
Pullman, WA 99164-2530
(509) 335-6511
MII Owner

KWSU Radio/TV Services
Michael Miller
382 Murrow Center
Washington State University
Pullman, WA 99164-2530
(509) 335-6511
MII Owner

Lon Gibby Productions
Lon Gibby
East 113 Magnesium Rd., Ste. B
Spokane, WA 99208
(509)467-1113
MII Owner

Mountain View TV
Anthony Evans
1500 SE Blainmont Dr
Vancouver, WA 98684
(206) 253-2588
MII Owner

National Videotape Co.
Mari Scimeca
4200 23rd Ave W
Seattle, WA 98199
Supplier

PS Media Video Productions
Rich Krmer
2531 Sunset Drive West
Tacoma, WA 98466
(206) 565-2981
MII Owner

Professional Video & Tape
Darel Colbert
917 134th St
S.W. ste. A8
Everett, WA 98204
(206) 743-8811
MII Dealer

Puget Sound Power & Light
Company
Charles Nishida
PO Box 97034
OBC-09W
Bellevue, WA 98009-9734
(206) 454-6363 x3231
MII Owner

Seabird Video
Joshua Gordon
19710 63rd Lane N.E.
Seattle, WA 98155
(206) 483-8919
MII Owner

TCI Cable Advertising
Rich Peterson
1801 E. 4th Street
Olympia, WA 98506

TDS Mediaquest
Wayne Dymoss
11123 SE 208th St.
Kent, WA 98031
(206)852-1074
MII User

University of Washington
Al Ross
8022 27th NE
Seattle, WA 98115-4633
(206) 543-9023
Media Center

University of Washington
Jerry Morin
33 Kane Hall, DG-10
Seattle, WA 98195
(206) 543-9923
MII Owner

Video Now, Inc.
W. Kelly Ryan
610 S. Central Ave.
Kent, WA 98032
(206) 852-1186
MII Owner

Videoland Productions
Mitch McCleary
805-C College St. SE
Laurel, WA 98503
(206) 491-1332
MII Owner

Walla Walla College
Ken Friddy
204 S College Ave
College Place, WA 99324
(509) 527-2307
MII User

Washington Natural Gas
John Cox
815 Mercer Street
Seattle, WA 98111
(206) 462-6767
MII Owner

Washington Natural Gas
Chris Nardine
815 Mercer Street
Seattle, WA 98111
MII Owner

West Virginia

Action Comm. Research
Chip Gallo
B.R.A. Box 175
Harpers Ferry, WV 25425

E.I. Dupont
Jack Green
901 W. Dupont Ave.
Belle, WV 25015
(304) 357-1835
MII Owner

Madison Video Repair
Frank Smith
1409 Greenway Cross
Madison, WI 53713
(608) 274-3464
Service Center

Monsie Park Technical
College
Edward Bok
235 N. National Ave.
P.O. Box 1940
Fond Du Lac, WI 54936-
1940
(414) 924-3371
MII Owner

Northeast Tech. College
John Siemensing
PO Box 19042
Green Bay, WI 54307-9042
(414) 498-5495
MII Owner

Paul Hying
218 12th Ave
Green Bay, WI 54303
(414) 494-8711
MII User

Promotions United Corp
Jay McCollum
7601 Dundas Ave
Racine WI 53126
(414) 554-8484
MII User

Reimers Photo Material Co.
Dan Fritz
300 E. Bay
Milwaukee, WI 53207
MII Owner

Studio Gear
Robert Wiese
126 N Jefferson St
Milwaukee WI 53202
(414) 225-3777
MII User

Universal Production Intl
Bob Kames, Jr.
4415 W. Forrest Home Ave
Milwaukee, WI 53219
(414) 321-0874
MII Owner

University of Wisconsin
Bager Football
1440 Monroe St.
Madison, WI 53711
MII Owner

VIDTEK
James Lillis
9235 W. Capital Dr
Milwaukee, WI 53222
(414) 466-7488
MII Owner

Wassau Insurance
Paul Hunsanger
The Westwood Conference
Center
1800 W. Bridge St.
Wassau, WI 54401
(715) 847-7772
MII Owner

Worthwhile Films
Steve Breaker
333 W. Mifflin St.
Madison, WI 53703
(608) 251-8855
MII Owner

WYOU
Frank Maiale
1619 Monroe St
Madison, WI 53711-2021
(608) 258-9644
MII Owner

Wyoming

Pronghorn Productions
Dudley Irvine
PO Box 703
Lander, WY 82520
(307) 332-9714
MII Owner

Canada

Alberta

AVICOM Industrial Comm.
Ivan Willett
12860 - 149th St.
Edmonton, Alberta
T5V 1A4
MII Dealer

AVICOM Industrial Comm.
102-1220-28 Street N.E.
Calgary, Alberta
T2A 6A2
MII Dealer

EM/Media
Jim Goertz
#200 - 116 - 8th Ave. S.W.
Calgary, Alberta T2P 1B3

Glenrose Rehab. Hospital
Randy Robertson
10230-111 Ave.
Edmonton, Alberta
T5G 0B7

Grant McEwen College
Media Services
Peter Brown
Bldg A Room 383
10700 - 104 Ave.
Edmonton, Alberta
T5J 4S2

Grant McEwen College
Media Services
Ted Zazala
Bldg A Room 383
10700 - 104 Ave.
Edmonton, Alberta
T5J 4S2

Lethbridge Cabinet
Mark Dorn
1232 - 3 Ave. South
Lethbridge, Alberta
T1J 0J9

Montage Communications
Michael Prymunka
Lower Floor
611-10th Ave. S.W.
Calgary, Alberta T2R 0B2

Shaw Cablesystems
Ernie Poscente
7605 50th St.
Edmonton, Alberta
T6B 2W9

Shaw Cablesystems
Gene Sydor
7633-50 Street
Edmonton, Alberta
T6B 2W9

British Columbia

Marine Video
Peter Sam
1955 Wyke St.
Vancouver, B.C. V5Y 3N7
MII User

Shaw Cable
Sergio Contaras
1471 Pemberton Ave.
North Vancouver, B.C.
V7P 2R9

Shaw Cable
Fuzio Sorrentino
1471 Pemberton Ave.
North Vancouver, B.C.
V7P 2R9

Shaw Cable
Peter Williams
1471 Pemberton Ave.
North Vancouver, B.C.
V7P 2R9

The Videomaker
Sig Poeppel
2160 Van Horne Drive
Kamloops, B.C. V1S 1L7

VIDCOM
Michael Ullock
3-1854 West First Ave.
Vancouver, B.C. V6J 1G5
MII Dealer

VIDCOM
Bob deWasyer
3-1854 West First Ave.
Vancouver, B.C. V6J 1V5
MII Dealer

Manitoba

Canadian Pacific Railway
Ron Lesicki
Jarvis & McPhillips
Winnipeg, Manitoba
R3B 0J7

Servo Electronics Ltd.
Roger Kiendl
6th Floor
138 Portage Ave. East
Winnipeg, Manitoba
R3C 0A1
MII Dealer

Nova Scotia

Acadia University
Orry Bostes
Beveridge Arts Centre
Wolfville, Nova Scotia
B0P 1X0

Halifax Cable
Brett Smith
PO Box 8660, Stn A
5841 Bilby St. Halifax
Nova Scotia
B3K 5M3

Instructor Aids, Ltd.
Jim Davidson
55 MacDonald Ave.
Burnside Industrial Park
Dartmouth, Nova Scotia
B3B 1T9
MII Dealer

Michelin Tires Cda.Ltd
Dave Titus
PO Box 399
New Glasgow
Pictou Cty.,
Nova Scotia
B2H 5E6

Ontario

ADCOM Electronics
Bill Jakas
310 Judson St.
Unit #1
Toronto, Ontario
M8Z 5T6
MII Dealer

Advanced Video Prods
Mark Geier
28 Dwynt Ct.
Cambridge, Ontario
N1R 7A4

AEC Computers
Jenn Teng R.R. #7
Providence Line
Peterborough, Ontario
K9J 6X8

Agincourt Productions
Perrin Baker
20 Kinross Court
Richmond Hill, Ontario
L4B 1K8

Asian Television Network
Prakash Naidoo
130 Pony Dr.
Newmarket, Ontario
L3Y 7B6
(416) 836-6460

Asian Television Network
Shan Chandrasekar
130 Pony Dr.
Newmarket, Ontario
L3Y 7B6

Axiom Productions
Garry Matthews
69 Raymond Street
Guelph, Ontario N1H 3S4

CBC - Windsor
Bruce Taylor
825 Riverside Drive W.
Windsor, Ontario N9A 1K7

CBC - Windsor
Rick Baillargeon
825 Riverside Drive W.
Windsor, Ontario N9A 1K7

CFMT - CH. 47
Frank BrunoP
545 Lakeshore Blvd. West
Toronto, Ontario M5V 1A3

CFMT - CH. 47
Brian Herling
545 Lakeshore Blvd. West
Toronto, Ontario M5V 1A3

Corona Communication
Doug Reynolds
500 Barrydowne Rd.
Sudbury, Ontario P3A 3T3

CKCO-TV
Joe Brenner
864 King Street West
Kitchener, Ontario N2G 4E9

Edcom Multi Media
Mark Lehman
350 Shirley Ave.
Kitchener, Ontario
N2B 2E1

Edcom Multimedia
William Webster
P.O. Box 4324
London, Ontario N5W 5J6
MII Dealer

Humphries Productions
Stan Humphries
93 Downey Road
Guelph, Ontario N1C 1A1

Image Projection
John Chyudia
15 Capella Court
Unit 109
Nepean, Ontario K2E 7X1

Lambton College
Mervin Newcombe
PO Box 969
Sarnia, Ontario
N7T 7W2 Canada

Lynx Video Duplication

Jim Blakz33 Fraser Ave.
Toronto, ON
M6K 1Y7

Maximum Productions
Michael Jerome
730 Cochran Dr.
Markham, Ontario L3R 8E1

MBST Lifetime Prod.
5 DeWitte Court
Markham, Ontario L3P 3Y4

MacLean Hunter Cable
Manny Floriano
Parkdale Studio
47 Liegar St
Toronto, Ontario
M6J 3T4

MacLean Hunter Cable
Rob Barrie
80 Worcester Rd
Etobicoke, Ontario
M9W 1K7

MacLean Hunter Cable
Mede Zorbe
80 Worcester Rd
Etobicoke, Ontario
M9W 1K7

MacLean Hunter Cable
Rene Boyer
1635 Paquette Road
P.O. Box 3450
Thunder Bay, Ontario
P7B-519

MacLean Hunter Cable
Jim Chapman
80 Worcester Rd
Etobicoke, Ontario
M9W 1K7

Meta Media Productions
Andrew Ruhl
33 Norwich Street East
Guelph, Ontario
N1H 2G7

Municipality
of Toronto
Community Services Dept
Paul Downey
590 Jarvis St 6th Floor
Toronto, Ontario
M4Y 2J5

North York School Board
Neville Denn
85 Peckham Ave.
North York, Ontario, N2R 2V4

Ontario College of Art
George Dougherty
100 McCaul Street
Toronto, Ontario M5T 1W1

Ontario College of Art
Michael Page
100 McCaul Street
Toronto, Ontario M5T 1W1

Queens TV
Richard Webb
Queens University
Kingston, Ontario
K7L 3N6
MII User

Rainbow Video Concepts
Gil Dees
Unit 205
607 Heritage Dr.
Kitchener, Ontario
N2B 3J2

Ryerson Poly Technical
Brad Fortner
350 Victoria Street
Toronto, Ontario
M5B 2K3

Scarborough Board
Alex Maropakis
52 McGowan Road
Scarborough, Ontario
M1S 4G5

Sheridan College
Todd Hallen
Tech Services
1430 Trafalgar Road
Oakville, Ontario
L6H 2L1

Sheridan College
Ken Walker
1430 Trafalgar Road
Oakville, Ontario
L6H 2L1

Soft Science Associates Ltd.
Eric Harris
R.R. #1
Gore's Landing, Ontario
K0K 2E0

Special Event Video Productions
Jim Huber
1911 Baseline Rd #100
Ottawa, Ontario K2C 0C7

St. Clair College
Roger Faubert
2000 Talbot Road West
Windsor, Ontario N9A 6S4

Unique Video Production
Bob Jackson
2552 Howard Ave.
Windsor, Ontario N8X 3V9

University of Toronto
Ron Beardon
Media Centre
563 Spadina Ave.
Toronto, Ontario
M5S 1A1

University of Toronto
Ernie Lopez
119 St. George Street
North Wing, Room 27
Toronto, Ontario
M5S 1A1

University of Windsor
Tom Fuent
Communications Dept.
Windsor, Ontario N9B 3P4

Video Events
John Phillips
6 Winthrop Ave
Toronto, Ontario M4K 1C9

Vid Vid Video
Blake Robson
17 Easton Road
Bramford, Ontario
N3P 1J4

Wizards of Video
Chuck Rea
286 Wortley Road
London, Ontario N6E 3R4

York University
Dave Walton
Stedman Bldg.
4700 Keele Street
Toronto, Ontario M3J 1P3

Prince Edward Island

J.W. Woods
Electronics
Bill Woods
17 Buell Rd
Memmaid, R.R.5
Charlottetown, PEI
C1A 7H8

York Point Productions
Stewart Smith
8 Falconwood Road
Charlottetown, PEI
C1A 6B5

Island Cablevision
Wendell Ellis
100 Cable Court
Charlottetown, PEI
C1B 1A9

Quebec

Concept Videoscope
Claude Pdpin
100 bld Antonio Barrette
Joliette, Quebec
J6E 1E5

Concordia University
Mark Schofield
1455 de Maisonneuve Ouest
Montreal, Quebec
H3G-1M8

Concordia University
Peter Blyszczak
1455 de Maisonneuve Ouest
Montreal, Quebec
H3G 1M8

Concordia University
Gary Keshaw
1455 de Maisonneuve Ouest
Montreal, Quebec
H3G 1M8

College Limoilou
Denis Chamberland
Pierre Martel
1300 8 Ave.
Quebec, Quebec G1K 7H3

CKSH-TV
Marcel Agniet
340 Boul. Industriel
Sherbrooke, Quebec
J1L 1Z9

CKTM-TV
Trois Rivières
4141 St. Jean Blvd
Trois Rivières, Quebec
G9A 5G3

Dodier Design
M.Y. Dodier
635 Riel
Ascut, Quebec
J1H 5V7

Ecole St. Paul de Varennes
Marc Poitier
235 rue. Ste. Anne
Varennes, Quebec
J3X 1P9

Graphimage
Martin Roberge
60 des Casernes
bureau 201
Trois Rivières, PQ
G9A 1X2

Hautes Etudes Commere.
Serge Larrivee
5255 Avenue Decelles
Montreal, Quebec
H3T 1V6

Infographie
Michel Faubert
520 Landreville, Unit 1A
Ile des Soeurs, Quebec
H3E 1B4

Inter Cite Video
Victor Dilena
8270 Maynard
Montreal PQ H4P 2C5

Inter-Cite Video, Inc.
Harold Schneider
8270 Maynard
Montreal, Quebec
H4P 2C5
MII Dealer

Le Studio du Centre-Ville
Michel Blodess
1168 rue Bishop
Montreal, Quebec
H3G 2E3

NGW Communications
Charles Warren
2366 Galvani St.
GIN 4G4
MII Dealer

Ordigraph Inc
Denis Rivard
3740 Boul. Matte
Brossard, Quebec

Premier Choix TVEC Inc.
Chantal Gagnon
2100 Ste - Catherine Ouest
#800
Montreal, Quebec H3H 2T3

Productions du Delta
Jean Poirier
797 Valiquette
Verdun, Quebec
H4H 2E1

Projet IMAGE
Joee Forest
4565, Chemin de la Reine
Marie
Montreal, Quebec
H3W 1W5

Proviart
M. Michel Chouinard
1458 Grand Bourg
Val Belair, Quebec
G3J 1J4

SportAction Video
2323 Boul. Versant Nord
Suite 204
St. Foy, Quebec G1N 4P4

Tele Metropole Inc
Sylvain Jeannotte
1600 Maisonneuve East
Montreal H2L 4P2

Universite de Montreal
Services Audiovisuels
Jean-Marie Herbert
CP 6128, Succ. A
Montreal, Quebec
H3C 3J7

Universite de Montreal
Services Audiovisuel
Michael Champagns
C.P. 6128, Succ. A
Montreal, P. Quebec
H3C 3J7
(514) 343-7283

Universite de Montreal
Services Audiovisuel
Jean St. George
C.P. 6128, Succ. A
Montreal, P. Quebec
H3C 3J7

Universite du Quebec a Montreal
Denis Vaillancourt
C.P. 8898, Succ. A
Montreal, Quebec H3C 3P8

Universite De Sherbrooke
M.A. Rousseau
2500 Boul. de l'
Universite Sherbrooke PQ
J1K 2R1

Video Dery
Carl Gagnon
338 rue Albert
La Baie, PQ
G7P 3P3

Saskatchewan

LRK Video Production
Roy Kamp
602 Preston Ave.
Saskatoon, Saskatchewan
S7H 2V2

Professional Communications
Jim Sax
2914 H Miners Ave.
Saskatoon, Saskatchewan
S7K 4Z7
MII Dealer

Size Small Productions
John Lumby
34 Degger Crescent
Saskatoon, Saskatchewan
S7H 4P7

Hautes Etudes Commer.
Serge Lazure
5255 Avenue Decelles
Montreal, Quebec
H3T 1V6

Infographie
Michel Faubert
520 Landreville, Unit 1A
Ile des Soeurs, Quebec
H3E 1B4

Inter Cite Video
Victor Dilena
8270 Mayrand
Montreal PQ H4P 2C5

Inter-Cite Video, Inc.
Harold Schneider
8270 Mayrand
Montreal, Quebec
H4P 2C5
MII Dealer

Le Studio du Centre-Ville
Michel Blodreau
1168 rue Bishop
Montreal, Quebec
H3G 2E3

NGW Communications
Charles Warren
2366 Galvani St.
G1N 4G4
MII Dealer

Ordigraphie Inc
Denis Rivard
3740 Boul. Matte
Brossard, Quebec

Premier Choix TVEC Inc.
Chantal Gagnon
2100 Ste - Catherine
Quest
#800
Montreal, Quebec H3H
2T3

Productions du Deluge
Jean Perrin
797 Valquette
Verdun, Quebec
H4H 2E1

Projet IMAGE
Jose Forest
4565, Chemin de la Reine
Marie
Montreal, Quebec
H3W 1W5

Proviant
M. Michel Chouinard
1458 Grand Bourg
Val Belair, Quebec
G3J 1J4

SportAction Video
2323 Boul. Versant Nord
Suite 204
St. Foy, Quebec G1N 4P4

Tele Metropole Inc
Sylvain Jeunot
1600 Maisonneuve East
Montreal H2L 4P2

Universite de Montreal
Services Audiovisuels
Jean-Marie Herbert
CP 6128, Suoc. A
Montreal, Quebec
H3C 3J7

Universite de Montreal
Services Audiovisuel
Michael Champagne
C.P. 6128, Suoc. A
Montreal, P. Quebec
H3C 3J7
(514) 343-7283

Universite de Montreal
Services Audiovisuel
Jean St. George
C.P. 6128, Suoc. A
Montreal, P. Quebec
H3C 3J7

Universite du Quebec a
Montreal
Denis Vaillancourt
C.P. 8888, Suoc. A
Montreal, Quebec H3C
3P8

Universite De Sherbrooke
M.A. Rousseau
2500 Boul. de l'
Universite Sherbrooke PQ
J1K 2R1

Video Dery
Carl Gagnon
338 rue Albert
La Baie, PQ
G7P 3P3

Saskatchewan

L.R.K. Video Production
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Ron Mittelholtz
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Regina, Saskatchewan
S4N 7A4

STV - Saskatoon
Len Virog
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Quito Ecuador
(593)445-081
MII User



The KREGEL Report

Mark Kregel, owner of KTS Television & Film in Aberdeen, Maryland, is a recent TV Production/Filmmaking graduate (Mass Communication) from Towson State University, Baltimore, Maryland. During college, he completed internships at both Maryland Public Television and The Discovery Channel. He is currently building an MII edit suite for the production of TV broadcast documentaries.

NTSC, Y/C, Y,Pr,Pb, YUV, Composite, Component, 4:2:2, CCIR 601, etc.: What are these terms and how do they relate to MII?

It can be a sobering sight to step behind the rack mounts of equipment (VTR's, routers, etc.) at a large post production house or television broadcast facility. In fact, to most people, this can actually be quite intimidating. The truth is that video work (editing, distribution) involves a great deal of signal transferring, and cables and wiring are the means to this end. Even a simple "cuts-only" system with say an AU-63 and an AU-65 can become a complicated affair when you set up an audio mixing board along with your usual video monitors and test equipment. And if this isn't enough, now consider the growing desktop and nonlinear interface systems and their unique signal requirements compared to traditional video. It is one thing for a home consumer to connect "video in/video out, audio in/audio out" on a couple of consumer grade VHS decks to make a dub (much less set the clocks on the decks). It is another thing to make and maintain a broadcast grade video signal through editing, switching, routing, and perhaps on to broadcast or cable distribution. These signal concerns are important to MII users because MII is a broadcast quality video format. And when using a high end format like MII, the difference between a good and a great finished video product can often lie in the understanding of signal differences, and the details of signal transfer (i.e. wiring and cabling).

As a quick illustration, let's take a Panasonic

AU-660 studio VTR, turn it around, and look at the back of it. The long rectangular black "box" that runs along the lower part of the deck is the power supply, and it is fairly straightforward with A/C IN and a ground connector. However the upper back area of an AU-660 is a different matter. To start with, in a long row right above the power supply, you have 11 XLR audioconnections (comprising AUDIO IN, AUDIO OUT, and AUDIO MONITOR). In the upper left area (labeled VIDEO IN) you have LINE IN, REF. VIDEO IN, COMPONENT 1 CTCM VIDEO IN, and COMPONENT 2 Y,Pr,Pb VIDEO IN. In the upper middle you have your REMOTE, ENCODER and WAVEFORM connectors, and in the upper right hand area (labeled VIDEO OUT) you have VIDEO 1, VIDEO 2, VIDEO 3 (SUPER), BLACKBURST, WFM (wave form monitor), COMPONENT 1 CTCM, and COMPONENT 2 Y,Pr,Pb. Finally, sandwiched in with the audio connectors, you have TIME CODE In and Out. Yet another set of connectors that enter into this discussion are Y/C IN and Y/C OUT. These are not found on the AU-660, but they are found on the newer MII decks such as the AU-65. It would take a textbook to fully explore all of the possibilities for using these many connectors. However, in the discussion that follows, we will try to hit some of the major highlights of this "signal" theme.

The composite television signal commonly called NTSC is the "head honcho" of America's modern television broadcasting industry. It began life decades ago when black and white (B/W) TV broadcasting first came into use, was upgraded with a 3.56Mhz subcarrier when color broadcasting came into fashion (still receivable on B/W sets), and remains the standard today in the U.S., Japan, and many other parts of the world (along with sister formats PAL and SECAM). It is a composite signal and includes luminance, color and sync information all in one signal. However, as widely as NTSC is used, it is far from a perfect signal. NTSC is plagued by such things as cross modulation and other signal degradation, and in traditional broadcast applications it uses the majority of its signal energy simply for sync purposes. What are the LINE IN and LINE OUT (VIDEO OUT) BNC connectors on the back of your MII studio VTR? They are NTSC (525 lines, 59.94 fields per second). In short, you can take basically any MII studio VTR, carry it into any broadcast facility or cable headend, plug in your VIDEO 1 OUT along with audio and sync feeds to the appropriate connectors, and you can transmit NTSC through whatever frequency allocation that specific broadcast facility or cable headend is using (channel or channels). Should NTSC however be used for all your signal distribution needs, such as editing, dubbing, and other production and post

production functions? In theory you could run an entire facility on NTSC alone. But you would be robbing yourself of the benefits of some of the other signal sources readily available on MII studio VTR's.

As already mentioned NTSC combines luminance and color (chrominance) into one signal (composite). And one of NTSC's greatest shortcomings is that these luminance and chrominance signals tend to pollute and corrupt each other. These effects are especially prominent over multiple generations (i.e. editing, dubbing) of a signal. From an engineering standpoint, the solution to this problem is to separate the luminance and chrominance information during these editing and reproduction functions saving NTSC only for final broadcast applications. This is the thinking behind Y/C and Y,Pr,Pb (component) signal processing. Y/C (closely associated with SVHS and Hi8, often just called "S"), is a two part component signal that separates the luminance information (Y) and chrominance information (C) into two distinct parts. This adds significant durability to video signal processing, and Y/C has grown to be the workhorse of mid-market video production (industrial/corporate, etc.) for this reason. However, it is possible to go one step better and split the chrominance signal even further into what are commonly called the "color difference" signals. This is where we get the broad industry name of Y,R-Y,B-Y and the trade names of Y,Pr,Pb and YUV (originally associated with PAL systems). MII commonly uses the terminology Y,Pr,Pb.

To explore these color difference signals further, let's look at the internal operation of a modern broadcast video camera. Modern television is based on the three additive primary colors, red, green and blue. If you don't believe this, just get up close to your home television (very close) and squint at the screen. What you see are actually small clusters of red, green and blue dots. These three primary additive colors can be mixed to make basically any other color, and that is how the TV screen operates. There are three electron guns inside the tube shooting through grids, each illuminating the pixel areas of one of the primary colors. This scheme of operations is also reflected in cameras. "Three-tube" cameras of years past had "red," "green" and "blue" tubes with the colors separated by a prism before entering the tubes. Modern "three-chip" CCD cameras have comparable "red," "green" and "blue" chips also employing a prism arrangement. Is there a difference between red, green, blue (often used with computer monitors as R,G,B) and the luminance, chrominance video based signals already talked about? There is a

difference, but the two are very closely related. For video processing, a modern camera takes the R,G,B feed and derives from it an overall luminance value (called Y). Then using this luminance value as a standard, and subtracting combinations of the color signals, any given color value or signal can be solved for algebraically. What results are the "color difference" component signals used with MII, BetacamSP, 1 inch Type C, and which are now also reflected in the component digital domain (4:2:2, CCIR 601). These consist of a luminance signal (Y) and two color difference signals (Pr,Pb or R-Y,B-Y) from which the third primary color signal can always be derived with signal processing.

A few additional notes on Y/C and Y,R-Y,B-Y signal processing. Formats such as SVHS, Hi8 and Umatic may input and output in Y/C (even Y,R-Y,B-Y on some newer SVHS decks) but within these machines both luminance and chrominance signals are recorded on a single track. MII and BetacamSP VTR's on the other hand not only input and output in Y,R-Y,B-Y, but actually record the Y (luminance) and C (chrominance) signals on separate tape tracks. In MII, you have a luminance or Y track and a separate C track consisting of the "color difference" Pr and Pb signals sequenced together using a method called "Chroma Time Compressed Multiplexing." This is where the acronym CTCM originates as used with the MII 12 pin connector. This separate Y/C track usage further maximizes signal durability and quality above formats such as SVHS, Hi8 and UmaticSP. The practice of combining Y and C on a single track and is the reason SVHS, Hi8 and Umatic are often called the "color under" formats.

Another aspect of Y,R-Y,B-Y signal processing is that the MII and Betacam standards for Y,R-Y,B-Y are slightly different (the signal voltages on the chrominance side). This comes into play when working between MII and BetacamSP if the need ever arises (dubbing, editing, etc.). If you connect MII and Beta machines directly together without taking these differences into account, a distorted signal will result. Also, it is critical when using the 3 BNC connector version of Y,Pr,Pb that the 3 BNC cables be as closely matched as possible, especially in their length. In other words, don't grab a 5 foot, a 6 foot and then a 10 foot BNC cable to tie your decks together in Y,Pr,Pb or to tie them to a switcher. As little as a 1/8 inch difference in cable lengths can begin to cause phase problems with the signals. Keep these cables matched. This is when the factory 12 pin CTCM cable can be advantageous over the 3 BNC cable runs. Please note also that cables that convert the 12 pin CTCM (such as on a AU-650) to 3

part BNC are also available where applications demand it.

How does all this relate to editing and production work with MII? Lets take a look at a practical example. Lets take an AU-62 and an AU-65 and tie them together in a "cuts-only" mode first using NTSC (Line In/Out), then using Y/C In/Out, then using Y,Pr,Pb In/Out (3 BNC) or the 12 pin CTCM version (chrominance time compression multiplexing) found on decks such as the AU-650. And with each of these signal combinations, lets take a MII source tape and copy it over and over until its quality falls below a reasonably acceptable level (a value judgement on our part). What do we find? Using NTSC, straight deck to deck MII, you get roughly three generations before the image goes away. In fact, you can see notable losses after one pass. Using Y/C, you can make four or even five generations with luck (the industry standard for SVHS under similar conditions is three to four). However, using the three part component Y,Pr,Pb, you can go 7 to 8 generations before achieving losses roughly equivalent to 3 generations of NTSC (some have claimed you can even go as high as 10 with finely tuned machines). Additionally, using Y,Pr,Pb, the first 3 generations (where most traditional editing work is done) are almost completely transparent. This means that if you are taking advantage of Y,Pr,Pb component processing in your editing and production work, you are at the top of the chart in terms of analog signal quality and signal durability.

Where does our signal processing go from here? Lets touch upon some analog to digital related issues. The modern home television set in this country is based on NTSC, and the electron beams scanning the screen inside this television (to produce a picture) are analog by nature, and by definition. This also holds true for the loudspeaker producing your television's audio (i.e. it's an analog final product). Additionally, the light falling into your video camera lens and striking your camera's CCD's is also analog in nature as it begins its trip through the camera's electronics. And so are the sound waves activating your camera's microphone. It is a fact that digital signal use is becoming more and more widespread within our industry. But it should be fully realized that these digital technologies are simply a sandwich between an analog source, and an analog final product. Digital signal use is indeed a very powerful tool, but it is only a building block in an overall video production chain.

Along the lines of digital, we now have digital

processing (desktop, DVE's, etc.), disk storage systems (nonlinear, video servers), composite digital tape formats, and perhaps the most powerful tape formats ever made, the component digital tape formats. What are the current signal standards for component digital formats such as D-5? These standards are an extension of the existing three part analog component signal format already used with MII, Type C 1 inch, and BetacamSP. You have a luminance signal, and two chrominance color difference signals. One of the more popular terms associated with digital component processing is 4:2:2. In general terms, 4:2:2 indicates that in going from A to D, the luminance is sampled at 4 times the color subcarrier frequency and each of the color difference signals are sampled at 2 times the color subcarrier frequency. This term had its origins back in the days of D-1. CCIR 601 is another notation referring to 720 points being sampled in a 4:2:2 manner along every line of picture scanning at 13.5 Mhz, and the chrominance color difference signals being scanned 360 times a line at 6.75 Mhz. Please note that in terms of television imagery, the human eye tends to be more sensitive to luminance than chrominance, hence the different Y to C ratios, and the reason digital compressions schemes (nonlinear, etc.) often compress the chrominance much more than the luminance.

Other A/D terminology being thrown around these days are the pixel ratios when converting NTSC based television (fields and frames, 262.5 and 525 lines) into digital formats. Currently, 640 by 480 (note the 3 by 4 aspect ratio) seems to have evolved as a basic standard for digitizing "broadcast" NTSC. This ratio represents a direct offshoot from computer based equipment (i.e. VGA monitors). Better systems are using slightly higher ratios such as 720 by 484 (CCIR 601), and "off-line" nonlinear systems are processing in 320 by 240 or even less. As a reference, the "higher end" HDTV systems standing off on the horizon are on the order of 2000 by 1000 pixels using the 16 by 9 aspect ratio.

How does MII relate to digital processing? Is MII still potent in the digital age? The truth is that MII's signal resolution (comparable to 1 inch type C) still overwhelms and far exceeds the vast majority of the "desktop" based editing systems out there today, especially nonlinear systems. Most of these systems are digitizing and processing only a small fraction of an original MII source signal. Many of these desktop and nonlinear systems may have "cost effectively" caught up to SVHS, but there are still some wide margins in terms of fully harnessing the bandwidth offered by MII. In fact, in terms of acquisition alone (camera original

footage using comparable CCD cameras), MII actually specs out very close to D-3 in terms of image detail and quality of the signal recorded. Analog may have to be finessed in terms of multigeneration use, but coming straight from the camera MII is capable of recording an extremely crisp and detailed picture. Just ask those who are now shooting MII with the new 565 camera. In going digital, it is just a question of where you want to draw your analog to digital "thresholds" in the overall production scheme of things. And by mating analog tape storage both with digital signal processing (DSP) in cameras and editing systems, you can create some very potent and cost effective production systems.

Looking ahead to continued computer and digital growth in broadcast markets, MII engineers are remaining busy at their drawing boards. They have already looked ahead to using the 16 by 9 aspect ratio directly from newer MII decks, and using a CCIR 601 A to D output converter as an add-on to existing VTR systems. This digital A to D converter is designed specifically to allow working integration of MII directly into the component digital domain, such as with component digital formats like D-5, and with desktop and nonlinear editing systems working along 4:2:2 lines. The new "W" Power series MII VTR's are tailored specifically for the desktop digital environment, and represent one of the most competitive VTR's available today in terms of signal carrying capacity for its cost. To further illustrate MII's potentials in a "digital" world, let's take a look at the following future scenario.

Five years from now I am hired to produce a broadcast television program that will air on a DBS (Direct Broadcast Satellite) system. Millions of consumers now have the 18" DBS disks on their homes, and DBS constitutes an ever growing percentage of the television market. The "head end" for this DBS facility uses D-5 digital component VTR's and disk based storage. To produce this program, I take my WV-F565 DSP camera, and acquire MII footage in the field. Then using my studio MII VTR tied into a CCIR 601 or similar A to D converter, I digitize my pristine camera original footage as needed into a very high quality low compression nonlinear storage/editing system that is actually capable of absorbing MII's full image quality. Traditional generational losses (the most notable objection to analog) are now a thing of the past, and using this computer based system, I build my program. When I am through editing, I master to D-5 either there in the edit suite, or by carefully transporting my nonlinear disk storage array to a D-5 equipped facility. The D-5 master is then shipped to the DBS headend. The final product is digitally broadcast across the country with beautiful color and clarity, and with

acquisition quality rivaling any other format in use at the time.

How many new digital tape formats will be released in the next five years? There will be many, just check out NAB 95. But in terms of acquisition, will these formats affordably exceed the cost to benefit threshold currently offered by MII driving a Y,R-Y,B-Y based 4:2:2 converter? This has yet to be seen. It is just a question of where you want to draw your analog to digital "line."

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